



221475

DEAD CREEK AIRWAY, JAMES
LOCKHEED ENVIRONMENTAL
SYSTEMS + TECH. CO.
(68-D6-0002)

DEAD CREEK IL, IL (SITE ID = 058E)

SITE COSTS from 01/01/1993 through 06/30/2003

ESAT: LOCKHEED ENVIRONMENTAL SYSTEMS + TECH. CO. (#68-D6-0002)

- ICS
- TDF, SITE SPECIFIC INVOICES
- PROGRESS REPORTS

Contract Costs

DEAD CREEK AREA G, SAUGET, IL SITE ID = 05 8E

Site Costs from 1/1/1993 through 6/30/2003

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

Contractor Name: LOCKHEED ENVIRONMENTAL SYSTEMS & TECH. CO

EPA Contract Number: 68-D6-0002

Project Officer(s): RILEY, JOHN EDWIN
WALLING, COLLEEN K.

Dates of Service: From: 02/01/1996 To: 09/19/1999

Summary of Service:

Total Costs: \$15,570.75

<u>Voucher Number</u>	<u>Voucher Date</u>	<u>Voucher Amount</u>	<u>Treasury Schedule Number and Date</u>	<u>Site Amount</u>	<u>Annual Allocation</u>
1	03/05/1996	280,478.59	R6436 04/01/1996	61.68	78.01
3	05/07/1996	329,456.25	R6607 06/10/1996	293.01	370.58
06179632	08/06/1999	436,202.84	R9779 09/01/1999	6,404.77	8,100.44
ESTE9901	10/06/1999	400,406.21	R0055 10/29/1999	112.41	142.17
79	12/13/2000	38,412.52	R1162 12/27/2000	3.39	4.29
Total:				<u>\$6,875.26</u>	<u>\$8,695.49</u>

Contract Costs

DEAD CREEK AREA G, SAUGET, IL SITE ID = 05 8E

Site Costs from 1/1/1993 through 6/30/2003

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

Contractor Name: LOCKHEED ENVIRONMENTAL SYSTEMS & TECH. CO
EPA Contract Number: 68-D6-0002
Project Officer(s): RILEY, JOHN EDWIN
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Dates of Service: From: 02/01/1996 To: 09/19/1999
Summary of Service:
Total Costs: \$15,570.75

<u>Voucher Number</u>	<u>Schedule Number</u>	<u>Rate Type</u>	<u>Annual Allocation Rate</u>
1	R6436	Contract Class - Provisional	1.264751
3	R6607	Contract Class - Provisional	1.264751
06179632	R9779	Contract Class - Provisional	1.264751
ESTE9901	R0055	Contract Class - Provisional	1.264751
79	R1162	Contract Class - Provisional	1.264751

Environmental Protection Agency
Office of Emergency and Remedial Response

TECHNICAL DIRECTION FORM
(TDF)

Contract No. 68D60002

Contractor: Lockheed (LESAT)

Work Assignment No.

05-96-0-05

TDF No. 5105-004

Work Assignment Manager:

Patricia Scott

Phone

(312) 886-0877

Superfund Site Name: Dead Creek Area G Landfill

Superfund Site ID #: 8E

State: Illinois

Start Date: 03/26/96

Completion Date: 04/09/96

TASK DESCRIPTION:

Make one Site location map and one Site future map for the Dead Creek Area G Landfill site. Final product should be given to Sam Borries. Requestor will provide site data.

DELIVERABLE:

Specified Above.

RPO/RPO APPROVAL:

Brian P. Freeman

Date:

3/26/96

I CERTIFY THAT THIS TECHNICAL DIRECTIVE DOES NOT REQUEST SERVICES THAT ARE INHERENTLY GOVERNMENTAL FUNCTIONS AND THAT IT DOES NOT ALTER THE (1) STATEMENT OF WORK, (2) LEVEL OF EFFORT, (3) COST OF PERFORMING THE AUTHORIZED WORK, (4) NUMBER OF DELIVERABLES, OR (5) THE DUE DATES OF DELIVERABLES FOR THE ABOVE REFERENCED WORK ASSIGNMENT.

WAM Signature

Patricia Scott

Date

03/26/96

Original to Contractor

cc: WAM file Project Officer Contracting Officer

BASE YEAR

WAD REPORT SORTED BY WA - LOADED COSTS

CONTRACT: 68D60002

REGION 5

02/26/96 THROUGH 03/31/96

DUPLICATE
RECORDS CENTER
7TH FLOOR

WORK ASSIGNMENT: 05-96-0-05

PWO	TASK				SITE	HOURS	HOURS	LABOR	LABOR	TRAVEL	TRAVEL	ODC	ODC	TOTAL	TOTAL
	AREA	TDF	#	DESCRIPTION		MONTH	YEAR	\$	\$	\$	\$	\$	\$	\$	\$
								MONTH	YEAR	MONTH	YEAR	MONTH	YEAR	MONTH	YEAR
25553005	303	5004		DEAD CREEK A BE										\$ 61.68	\$ 61.68
SUBTOTAL TASK 303														\$ 61.68	\$ 61.68
PWO	TASK				SITE	HOURS	HOURS	LABOR	LABOR	TRAVEL	TRAVEL	ODC	ODC	TOTAL	TOTAL
	AREA	TDF	#	DESCRIPTION		MONTH	YEAR	\$	\$	\$	\$	\$	\$	\$	\$
								MONTH	YEAR	MONTH	YEAR	MONTH	YEAR	MONTH	YEAR
25553004	303A	0000		COMPUTERIZED										\$ 3,053.36	\$ 3,546.83
25553003	303A	5001		CAM-DR	BK									\$ 354.23	\$ 354.23
SUBTOTAL TASK 303A														\$ 3,407.59	\$ 3,901.06
TOTAL WORK ASSIGNMENT: 05-96-0-05														\$ 13,192.66	\$ 17,247.83

WORK ASSIGNMENT: 05-96-0-06

PWO	TASK				SITE	HOURS	HOURS	LABOR	LABOR	TRAVEL	TRAVEL	ODC	ODC	TOTAL	TOTAL
	AREA	TDF	#	DESCRIPTION		MONTH	YEAR	\$	\$	\$	\$	\$	\$	\$	\$
								MONTH	YEAR	MONTH	YEAR	MONTH	YEAR	MONTH	YEAR
5551009	101	0000		BIOLOGICAL T										\$ 675.02	\$ 1,265.21
SUBTOTAL TASK 101														\$ 675.02	\$ 1,265.21
PWO	TASK				SITE	HOURS	HOURS	LABOR	LABOR	TRAVEL	TRAVEL	ODC	ODC	TOTAL	TOTAL
	AREA	TDF	#	DESCRIPTION		MONTH	YEAR	\$	\$	\$	\$	\$	\$	\$	\$
								MONTH	YEAR	MONTH	YEAR	MONTH	YEAR	MONTH	YEAR
5551010	104	0000		BIOLOGICAL T										\$ 3,959.24	\$ 4,918.30
SUBTOTAL TASK 104														\$ 3,959.24	\$ 4,918.30



Environmental Systems & Technologies Co

Environmental Services Assistance Teams

Region 5

536 S. Clark Street, Suite 1050

Mail Stop: SL-10C

Chicago, Illinois 60605

Phone: (312) 353-8302

Fax: (312) 353-8307

**DUPLICATE
RECORDS CENTER
7TH FLOOR**

**ENVIRONMENTAL SERVICES ASSISTANCE TEAM
U.S.EPA REGION V**

EPA Contract 68-D60002

MONTHLY PROGRESS REPORT

24 February through 29 March 1996

Submitted to:

Jay Thakkar
ESAT Regional Project Officer
U.S.EPA Region V
Central Regional Laboratory
536 South Clark Street
Chicago, IL 60605

Submitted by:

Dennis Miller, Ph.D.
ESAT Team Manager
Lockheed Environmental Systems & Technologies Co.
536 South Clark Street
Chicago, IL 60605

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INTRODUCTION

This Monthly Progress Report summarizes ESAT Region V activity for the period 24 February through 29 March 1996.

IA. TDF Project Work

ESAT received 39 technical direction forms (TDFs) during this reporting period. Progress on individual WAs or TDFs is described in Section III. A compilation of WA and TDF activity is presented in Table 2 through Table 7.

IB. The Region V ESAT team is fully staffed (14/14) and has the following P/T composition: 1 P4, 3 P3, 8 P2, 1 T2 and 1 T1. Two P2 staff members (the biologist and the cartographer (hydrogeologist)) have 0.5 FTEs and thus the ESAT team has 13 fulltime workers and two part time workers. All 14 LOE positions are filled and there is one non-LOE administrative assistant. There were no new hires or resignations during the month.

II. Health and Safety

No accidents or incidents were reported this month. Fourteen ESAT staff members attended a mandatory Region V EPA four-hour laboratory refresher health and safety training session on Tuesday, 3-12-96. EPA and OSHA required eight-hour annual refresher hazardous waste site worker health and safety training was scheduled for 4-17-96 for six ESAT staff members who periodically perform on-site field analyses or assist in the operation of the Agency's Geoprobe to collect field screening samples. To comply with the provisions of 29 CFR 1910.1030 (OSHA's Bloodborne Pathogen Standard), ESAT field personnel will be given the opportunity to receive the Hepatitis B vaccination series.

III. Section Reports

TASK AREA I

1.1 Organic Analysis

SVOC Analysis (WA 05-96-0-01):

Four ESAT chemists attended the 1996 Pittsburgh Conference and Exposition on 3-5 or 3-6, 1996 at the McCormick Place in Chicago (TDF 5101-003); required conference highlight reports were submitted to the WAM on or ahead of schedule. Inorganic chemists attended technical presentations dealing with axial and radial ICP analysis, metal speciation using supercritical fluid extraction (SFE) and hexavalent chromium extraction methods for a variety of matrices; technical discussions were held with exhibitor (vendor) representatives for ICP, ICP/MS, field XRF, GFAA and mercury CVAA analysis systems. Organic chemists attended technical presentations for SFE, high pressure solvent extraction and other sample preparation procedures which have quicker extraction times and use less solvent than conventional

package was submitted ahead of schedule on March 22, 1996 (TDF 5102-007).

VOC analysis was completed for two QB2 FY96 PE samples; the analysis data package was submitted ahead of schedule on March 26, 1996 (TDF 5102-007).

Two Woodstock Municipal Landfill residential well water samples (TDF 5102-008) and five Galena-Platteville residential well water samples (TDF 5102-009) were received for low level VOC analysis on 3-25-96. Low level VOC analysis was completed for both sets of samples. The Woodstock Municipal Landfill analysis data package was submitted ahead of schedule on 3-29-96; data processing and data package assembly are in progress for the Galena-Platteville samples.

RLIMS analysis result report forms were not submitted for the Lemon Lane Landfill, the American Chemical Services, the Woodstock Municipal Landfill, the March residential well PE and the QB2 FY 96 PE samples because the Agency's RLIMS is non-functional for report generation.

Pesticide/PCB Analysis (WA 05-96-0-03):

ESAT chemists completed the task of preparing and analyzing mixed Aroclor 1016 and Aroclor 1260 standards to generate an acceptable initial five point calibration curve for each Aroclor using five characteristic GC peaks for each Aroclor. The project report and analysis data package were submitted on schedule on March 7, 1996 (TDF 5103-004).

ESAT chemists completed the evaluation of the recently refurbished ABC GPC system by performing GPC clean-up of MIDCO I/MIDCO II soil extracts and analyzing the clean extracts by GC/ECD (TDF 5103-005). The project report and analysis data package were submitted after the due date (3-8-96) on March 14, 1996.

The SOP for CRL Method 608 DNS, Organochlorine Pesticides and PCBs in Water, was reviewed by an ESAT pesticide/PCB analyst; the review comments were submitted to the WAM ahead of schedule on 3-22-96.

Low level pesticide/PCB analysis was completed for 21 Lemon Lane Landfill residential well water samples and the February residential well PE sample; the analysis data packages were submitted on schedule on 3-28-96 (TDF 5103-006). Low level pesticide/PCB analysis was completed for six American Chemical Services residential well water samples and the March residential well PE sample (TDF 5103-007); pesticide/PCB analysis was completed for two QB2 FY96 PE samples (TDF 5103-007). The American Chemical Services, the March res well PE and the QB2 FY 96 PE sample analysis data packages will be submitted during the first week of April. Sample extract GC/ECD analysis was hampered by instrumentation problems, ie, contaminated injection systems, absolute capillary columns and malfunctioning autosamplers.

soxhlet and/or sonication extraction techniques. The organic chemists had technical discussions with representatives of manufacturers or distributors of: automated sample preparation/cleanup equipment, high speed GC systems, field portable GC/MS systems, Windows-based GC or GC/MS data acquisition/processing software and mobile laboratories.

Low level SVOC analysis was completed for 21 Lemon Lane Landfill residential well water samples and the analysis data package was submitted ahead of schedule on March 26, 1996 (TDF 5101-004).

Low level SVOC analysis was completed for five American Chemical Services residential well water samples and the analysis data package was submitted ahead of schedule on March 27, 1996 (TDF 5101-005). Low level SVOC was completed for the March residential well PE sample and the analysis data package was submitted on schedule on 3-29-96 (TDF 5101-004). SVOC analysis was completed for two QB2 FY96 PE samples; data processing and data package assembly are in progress and the analysis data package will be submitted during the first week of April (TDF 5101-005). RLIMS analysis result report forms were not submitted for the Lemon Lane Landfill, the American Chemical Services and the March res well PE water samples because the Agency's RLIMS is "functionally useless" for sample tracking and analysis result report generation after its conversion from a DOS-based to a Windows-based operating system in mid-March. Sample analysis data can not be directly uploaded or be manually entered into RLIMS and thus RLIMS analysis result report forms can not be generated.

Two Woodstock Municipal Landfill surface water samples were received for low level SVOC analysis on 3-25-96 (TDF 5101-006). Sample extraction and GC/MS extract analysis were completed; data processing and data package assembly are in progress.

VOC Analysis (WA 05-96-0-02):

ESAT organic analytical chemists completed in-house Hewlett Packard (HP) familiarization and orientation for a new CRL HP 5972 MSD GC/MS system (TDF 5102-004). The ESAT chemists interfaced a Tekmar LSC 2000 purge and trap concentrator to the HP GC/MS system and gained familiarity with the GC/MS Windows-based ChemStation data acquisition and data processing software.

Low level VOC analysis was completed for four Muskego Sanitary Landfill surface water samples and the March residential well PE sample; the analysis data packages were submitted ahead of schedule on March 5 and March 7, 1996, respectively, (TDF 5102-005).

Low level VOC analysis was completed for 25 Lemon Lane Landfill residential well water samples; the analysis data package was submitted ahead of schedule on March 20, 1996 (TDF 5102-006).

Low level VOC analysis was completed for eight American Chemical Services residential well water samples; the analysis data

detection limit was determined by analyzing seven spiked water samples. The ICP metals and GFAA metals analysis data packages were submitted ahead of schedule on 3-14-96.

Mercury, cyanide and GFAA metals analyses were completed for 21 Lemon Lane Landfill residential well samples (TDF 5104-011), six American Chemical Services residential well water samples (TDF 5104-012) and the March residential well PE sample (TDF 5104-013). The Lemon Lane Landfill mercury analysis data package was submitted ahead of schedule on 3-21-96; submission of the Lemon Lane Landfill mercury analysis data package and the Lemon Lane Landfill and American Chemical Services cyanide and GFAA metals analysis data packages has been delayed because RLIMS analysis result report forms can not be generated. With WAM approval, the mercury, cyanide and GFAA metals analysis data packages will be submitted during the first week of April using interim analysis result report forms. The ICP metals analyses of the Lemon Lane Landfill, the American Chemical Services and the March res well PE sample digests were delayed for about two weeks because liquid argon was not available at the CRL; argon is required to generate and maintain the high temperature plasma necessary for ICP analysis.

Four Galena-Platteville residential well water samples were received for total metals (ICP, GFAA and mercury) and cyanide analysis on 3-25-96 (TDF 5104-014). The cyanide analyses were completed and the mercury, ICP metals and GFAA metals analyses are in progress.

1.3 Biology Toxicity Testing (WA 05-96-0-06):

The ESAT biologist performed daily maintenance of the culture units to sustain the supplies of earthworms (Eisenia foetida). A valid root elongation reference toxicity test was completed during the month and the root elongation test control chart was updated to include the March test result. Earthworm survival and seed germination reference toxicity tests were not performed because clean silica sand was not available. The supply of silica sand has been replenished, therefore, seed germination reference toxicity tests will resume in April. Earthworm toxicity testing is on hold because the CRL's current supply of sphagnum peat will not support both earthworm culturing and toxicity testing activities.

1.4 Field Analytical Support Program (WA 05-96-0-05):

The FASP Chevrolet Suburban was repaired. The power steering pump was replaced and a new bracket was installed. The rear end seal and gasket, which were leaking, were replaced and the rear end was refilled with fluid. The Suburban requires two new tires for the rear wheels; the current rear tires are badly worn and have developed significant weather cracks.

At no cost, ESAT received a new ROM chip for the Tekmar Precept purge and trap (P&T) concentrator autosampler. ESAT also received (at no cost) a new improved water filter for the Precept

Two Woodstock Municipal Landfill residential well water samples were received for low level analysis on 3-25-96. Sample extraction and GC/ECD extract analysis were completed; data processing and data package assembly are in progress. The analysis data package will be submitted during the first week of April (TDF 5103-008).

RLIMS analysis result report forms were not submitted for the Lemon Lane Landfill and the February res well PE samples because the Agency's RLIMS is not functional and, consequently, RLIMS analysis report forms cannot be generated because analysis data can not be directly uploaded or be manually entered into the RLIMS.

The status of Organic Analysis is summarized in Table 2.

1.2 Inorganic Analysis (Work Assignment 05-96-0-04):

For the PE 5100 GFAA method development project (TDF 5104-002) modifications continued to be evaluated for the PE 5100 analysis run program. The amount of matrix modifier was changed (varied) and digested samples were analyzed; analytical spike recovery was monitored to assess the effectiveness of the modifier change. Increasing the amount of matrix modifier raised the recovery level of the analytical spike. Samples previously analyzed using CRL Method 200.9 were also redigested using a CLP digestion method so that a comparison study of the two digestion methods could be performed. The CLP procedure sample digests were analyzed by GFAA and had analytical spike recoveries comparable to CRL Method 200.9 digested samples. Both digestion methods produced analytical spike recoveries within CRL SOP QC limits.

For the FIAS 200 mercury CVAA method development project (TDF 5104-003), a sample matrix spike recovery study was completed. Digested samples from the Meigs Mine and the Grand Calumet River sites were used. From this study a recovery control limit was determined. A duplicate study was also performed and duplicate sample recoveries of 2 to 38% RPD were obtained. Three blind mercury standards were analyzed. The FIAS mercury analysis values were compared to previous analysis results obtained using a different analytical method; the two sets of mercury analysis results correlate well. A lab control sample study was also conducted. Using the results of this study, control limit values were determined for the use of an AQC sample and a LFM control sample. Per discussion with the WAM, a draft mercury analysis SOP was written and will be evaluated by having another inorganic chemist conduct a "trial run through" of the SOP analysis procedures using standards and previously analyzed samples.

Three water samples from the Muskego Sanitary Landfill site (SF 960042) were analyzed for ICP and GFAA metals (TDF 5104-009). Preconcentration of the samples during digestion was required to obtain lower detection limits for 10 metals. Chromium analysis was specifically required by GFAA to obtain a 5 ppb detection limit. A PE 5000 chromium GFAA analysis run program was modified to accommodate a PE 5100 GFAA system and a chromium method

ICP and GFAA metals analysis results for ten True Temper Sports (OH) soil samples were copied and were submitted to the WAM on 3-5-96 (TDF 5105-002) for transmission to the site RPM. The soil samples were previously used to prepare site specific calibration standards for a May 1995 on-site XRF field analysis project.

A TDF (#5105-003) was received for ESAT technical support to operate the Agency's Geoprobe to collect petroleum product field screening soil samples at the Bult's Fuel Service site in Highland, Indiana during the second week of April.

1.5 Laboratory Services (WA 05-96-0-09):

Glassware from the biology and the inorganic/organic chemistry laboratories was collected, washed, rinsed, dried and returned to the laboratories. CRL laboratories (rooms) 1019, 1024, 1025, 1026, 1030, 1031, 1039 and 1042 were cleaned.

TASK AREA II

2. Data Review

2.1 Organic Data Review (WA 05-96-0-07):

ESAT was tasked (TDF 5207-009) to write a report summarizing the differences between the 7/88 and the 2/94 versions of the USEPA CLP National Functional Guidelines for Organic Data Review. The 7/88 and 2/94 documents are being thoroughly compared and a detailed report is being prepared.

Six RAS data cases containing 95 samples were assigned to the Organic Data Review Section for validation. One data case (17 samples) was received for CADRE validation; the WAM requested that the CADRE validation be put on hold until the current CADRE validation SOP is revised to incorporate new software features. Four assigned data cases containing 63 samples were validated and a detailed narrative was submitted for each data case. One data case containing 15 samples will be carried over to April for review. The LOE utilized during the month for the assigned data cases was 68.0 hours.

In summary, four data cases were validated. The data case reviews were completed about 7.1% under budget; 58.5 actual hours versus 63.0 estimated hours. The total LOE for organic data review during this reporting period was 68.0 hours. The status of Organic Data Review is summarized in Table 4; a cumulative summary of Organic Data Review is given in Table 5.

autosampler. The ROM upgrade should address interface (communication) problems between the Precept P&T autosampler and the ESAT Tekmar LSC 2000 P&T concentrator. During the installation of the ROM chip and the new water filter, a leak was discovered in the tubing for the valve for the first standard addition vial. The leak was fixed and the BFB vial was refilled.

The WAM notified the ETM of a possible FASP PCB analysis project in late April. An inventory was performed for PCB analysis consumable supplies and Aroclor standards. ESAT has adequate solvents and disposable glassware on hand for the potential PCB analysis project assuming no more than 100 samples. A purchase order was submitted for an Aroclor 1254 standard and Valco 1/16" stainless steel ferrules.

The FASP task leader mounted gas cylinder brackets on a warehouse wall and secured the FASP gas cylinders using the wall brackets. ESAT has now addressed all four minor safety deficiencies noted in the Agency's annual FASP safety inspection (audit) report.

Bimonthly vehicle inspection was performed for the FASP Chevrolet Suburban using the inspection checklist.

A first aid kit, a CPR kit and a blood borne pathogen safety kit were placed in the large FASP mobile laboratory.

A conference call was conducted between the ETM, the FASP task leader and an ESAT Zone Office procurement representative concerning the terms and conditions of the ESAT warehouse lease. A subsequent meeting was held with the ESAT warehouse landlord to discuss proposed warehouse improvements and general building maintenance requirements for a new one year lease period.

The robotic arm of the Precept P&T concentrator autosampler started malfunctioning. On 3-20-96, a Tekmar service engineer unsuccessfully attempted to repair the Precept P&T autosampler; the service engineer was not able to determine what hardware and/or software problems were responsible for the Precept malfunctions. The service engineer requested additional Precept parts and returned on Thursday, 3-28-96, to replace the Precept robotic arm. The Precept autosampler has a one year unlimited service and parts warranty and, thus, there was no ESAT/EPA cost for the Tekmar repair service and replacement parts. The Precept autosampler will be evaluated during the first week of April when spiked soil and/or water samples will be analyzed to obtain precision, accuracy and mdL information.

A DynCorp (an Agency ADP support contractor) computer hardware specialist assisted the FASP task leader in: (a) rectifying a fax/modem operation problem (b) increasing analysis data processing speed, efficiency and productivity through more prudent computer memory allocation and utilization (c) improving/enhancing computer graphics resolution (d) installing WordPerfect 6.1 on both FASP 486 computers and (e) installing Tekmar Teklink Precept operating software on the main FASP GC data processing computer system.

	# Cases Assigned	# Cases Carried Over	# Cases Completed	# Cases In Progress
RAS	6	0	4	2
SAS	0	0	0	0
PRP	0	0	0	0
DXN	0	0	0	0
Total	6	0	4	2
No. Of Smpls.	95	0	63	32
EST. HRS.	0	0.0	63.0	31.0
LOE Used	68.0	0.0	58.5	9.5

2.2 Inorganic Data Review (WA 05-96-0-08):

ESAT was tasked (TDF 5208-006) to compare the 7/88 and 2/94 versions of the US EPA CLP National Functional Guidelines for Inorganic Data Review. A detailed report summarizing the differences between the 7/88 and 2/94 documents was submitted to the WAM on schedule on 3-15-96.

Nine RAS data cases containing 144 samples were assigned to the Inorganic Data Review Section for validation. One data case required CADRE validation in addition to a manual data review; the CADRE validation could not be performed because the data case was not in the CARD database because it failed contract compliance screening. Four assigned data cases containing 60 samples were validated and a detailed narrative was submitted for each data case. A total of 81.0 LOE hours was utilized for all assigned data cases. Five data cases containing 84 samples will be carried over to April for review.

In summary, four data cases containing 60 samples were validated this month. The total estimated LOE for these cases is 50.0 hours; a total of 57.0 LOE hours was used to validate these cases. The status of Inorganic Data Review is summarized in Table 6; a cumulative summary of Inorganic Data Review is given in Table 7.

	# Cases Assigned	# Cases Carried Over	# Cases Completed	# Cases In Progress
RAS	9	0	4	5
SAS	0	0	0	0
PRP	0	0	0	0
Total	9	0	4	5
No. Samples	144	0	60	84
Est. Hours	125.0	0	50	75.0
LOE Used	81.0	0	57	24.0

2.3 PE (QB) Sample Evaluation:

An inorganic QB1 FY96 data package from Heritage Environmental Services, Inc. was reviewed and evaluated to assess analysis accuracy, technical validity of analytical results and general conformance with CLP SOW reporting requirements (TDF 5208-005). The laboratory's corrective action measures were thoughtfully scrutinized to ascertain their appropriateness or effectiveness in resolving or mitigating analysis deficiencies. A detailed insightful review report was submitted on schedule on 3-15-96.

TASK AREA III

3. Logistical and Administrative Support

3.1 Data Coordination (WA 05-96-0-10):

Ten inorganic data cases and five organic data cases were received and processed; four validated data packages were copied and mailed to data users. Fourteen electronic contract compliance screening files (packages) were processed, copied and incorporated into the appropriate sample analysis SDG data case. Each DOS CCS file must be individually saved as a WordPerfect 5.1 file, the DOS file must be converted to an appropriate WordPerfect format, the base font size and page margins must be changed for each file and the page breaks must be realigned for many files before the CCS package can be printed. Effort was directed toward maintaining files in the data custody room. RLIMS log-in was performed for the Muskego Sanitary Landfill, Lemon Lane Landfill, American Chemical Services, Woodstock Municipal Landfill, Galena-Platteville, February/March residential well PE and organic QB2 FY96 PE samples; paperwork was prepared, copied and distributed to appropriate CRL and ESAT personnel.

3.2 Cartography Drafting Support (WA 05-96-0-05):

The ESAT draftsman installed the HP plotter. There is an operational problem for the plotter. The ESAT draftsman

contacted Hewlett Packard and was advised that a service engineer would probably be required to repair the plotter. Agency personnel were notified about the plotter problem and are making arrangements for its repair.

The ESAT draftsman backed up and installed Geobase 7.0 software on two drafting support computer systems. The ESAT draftsman discovered that there were features missing in the software. The software does not allow a user to add or delete parameters to a report. Earthware was contacted about the software problems and sent upgraded software to the Agency; the new software was received and was installed.

A software upgrade for AutoCad Rel. 13 was received and was installed. The old version was C_2 and did not allow the Summagraphic tablet to be used as a digitizer. The new version is C_4 and allows the tablet to be used to digitize maps.

The ESAT draftsman installed the driver for the Postscript printer onto the ZEOS drafting support computer. The Postscript printer is now working from the ZEOS computer.

Project: Cam-Or, Westville, Indiana (TDF 5105-001)

The ESAT draftsman created a site location map from a topographic map using a scanner and PhotoStyler software programs. The ESAT draftsman completed a site map showing monitoring well locations. The ESAT draftsman started entering monitoring well analysis information into a Geobase data base. The ESAT draftsman showed the ESAT data control technician how to enter analysis data into the Geobase program. Analysis data for eight wells, sampled on 7 June 94, was entered into the Geobase data base. Only partial data could be entered due to missing software features. Additional analysis data will be entered into the Geobase data base in April.

Project: Dead Creek Area G Landfill, Sauget, Illinois (TDF 5105-004)

The ESAT draftsman began preparing a site drawing and a site location map.

TASK AREA IV

4. QA/QC Support

ESAT analytical data package review was performed for: (1) the Muskego Sanitary Landfill VOC, ICP metals and GFAA metals analyses (2) the mixed Aroclor 1016 & Aroclor 1260 initial calibration report and the Midco I/Midco II soil extract analyses for the ABC GPC evaluation project (3) the Lemon Lane Landfill VOC, SVOC, pesticide/PCB and mercury analyses (4) the American Chemical Services VOC, SVOC and pesticide/PCB analyses and (5) the Woodstock Municipal Landfill VOC analyses. The data packages were thoroughly reviewed by the task leader, the QA/QC coordinator and the ETM.

TASK AREA V

5.0 Training

Fourteen ESAT staff members attended a mandatory Region V EPA four-hour laboratory refresher health and safety training session on Tuesday, 3-12-96. EPA and OSHA required eight-hour annual refresher hazardous waste site worker health and safety training has been scheduled for six ESAT staff members for 4-17-96.

Task Area VI

6.0 Management and Reporting (WA 05-96-0-11):

The biological and toxicity testing work plan (WA 05-96-0-06) and the laboratory support activities work plan (WA 05-96-0-09) were submitted to the RPO and WAM on 3-1-96. The SVOC analysis (WA 05-96-0-01), VOC analysis (WA 05-96-0-02), pesticide/PCB analysis (WA 05-96-0-03), inorganic analysis (WA 05-96-0-04), FASP services (WA 05-96-0-05) and sample custodian and data coordination support (WA 05-96-0-10) work plans were submitted to the WAM, RPO and Contract Officer on 3-6-96. The organic data review (WA 05-96-0-07), inorganic data review (WA 05-96-0-08) and ESAT team management and administration (WA 05-96-0-11) work plans were submitted to the WAM, RPO and Contract Officer on 3-11-96. The Region V ESAT quality assurance program plan (QAPP) and the health and safety plan were prepared and were submitted to the WAM on 4-1-96.

Under TDF 5611-001, 14 ESAT staff members attended a mandatory Region V EPA four hour refresher laboratory health and safety training session on 3-12-96. The required laboratory safety training allows ESAT personnel to continue performing sample analysis and analytical method development activities at the CRL.

The 11 Region V ESAT work plans are being revised because the Region V work assignments mistakenly had a five month performance period rather than the required six month performance period. The work plan staffing and management tables and detailed cost estimates were modified to contain estimated LOE hours and/or ODC charges for a six month performance period.

Table 2. SUMMARY OF ORGANIC ANALYSIS

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	% AOC	Comments
Semi-volatile Analysis 05-96-0-01								1045.0	255.5	24%	
0000	1001	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	23.5	47%	Complete
1001	1013	MIDCO I	2	Soil	02/06	02/20	02/13	60.0	30.5	51%	Complete
1002	1015	MIDCO II	2	Soil	02/06	02/20	02/13	60.0	30.0	50%	Complete
0000	1031	Inst. Maintenance	-----	-----	02/26	06/30		150.0	0.0	0%	In progress
1003	5001	Attend PITCON	-----	-----	03/04	03/08	03/08	96.0	29.5	31%	Complete
1004	1035	Westinghouse/Lemon Lane	22	Res.-W	03/12	03/29	03/26	110.0	82.0	75%	Complete
1005	1043	Amer. Chem. Ser./QB2FY96	8	Res.-W	03/15	04/03	03/27-	60.0	43.0	72%	Complete/In progress
1006	1044	Woodstock Landfill	2	Res.-W	03/25	04/05		20.0	17.0	85%	In progress
Volatile Analysis 05-96-0-02								855.0	257.8	30%	
0000	1002	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	23.0	46%	Complete
2002	1014	MIDCO II	2	Soil	02/06	02/20	02/13	60.0	14.5	24%	Complete
2001	1016	MIDCO I	2	Soil	02/06	02/20	02/13	40.0	15.0	38%	Complete
2003	1017	U.S. Aviox RLIMS	84	Res.-W	02/06	02/20	02/09	20.0	8.0	40%	Complete
2004	5002	Chemstation Training	-----	-----	02/26	03/15	03/15	70.0	69.0	97%	Complete
2005	1029	Muskego Sanitary L.F.	4	S-Water	02/29	03/08	03/05	40.0	37.0	93%	Complete
0000	1032	Inst. Maintenance	-----	-----	02/26	06/30		150.0	15.8	11%	In progress
2006	1036	Westinghouse/Lemon Lane	25	Res.-W	03/13	03/29	03/20	110.0	45.5	41%	Complete
2007	1038	Amer. Chem. Ser./QB2FY96	10	Res.-W	03/15	04/02	03/22-03/26	70.0	33.5	48%	Complete
2008	1045	Woodstock Landfill	2	Res.-W	03/25	04/05	03/29	16.0	15.0	94%	Complete
2009	1046	Galena/Platteville	5	Res.-W	03/25	04/05		16.0	15.5	97%	In progress
Pesticide/PCB 05-96-0-03								855.0	453.7	53%	
0000	1003	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	23.5	47%	Complete
3001	1018	MIDCO I	2	Soil	02/06	02/20	02/14	60.0	38.0	63%	Complete
3002	1019	MIDCO II	2	Soil	02/06	02/20	02/14	60.0	37.5	63%	Complete
3003	1023	GPC Pan Assembly	-----	-----	02/16	02/22	02/22	40.0	16.0	40%	Complete
3004	1027	PCB standards analysis	-----	-----	02/23	03/07	03/07	50.0	50.5	101%	Complete
3005	1028	GPC Check	-----	-----	02/26	03/08	03/14	40.0	82.7	207%	Complete
0000	1034	Inst. Maintenance	-----	-----	03/04	06/30		80.0	20.0	25%	In progress
0000	4001	Method 608 DNS Review	-----	-----	03/04	06/30	03/22	24.0	24.5	102%	Complete
3006	1037	Westinghouse/Lemon Lane	22	Res.-W	03/13	03/28	03/28	120.0	97.5	81%	Complete
3007	1039	Amer. Chem. Ser./PE/QB2FY	10	Res.-W	03/15	03/29		72.0	54.5	76%	In progress
3008	1047	Woodstock Landfill	2	Res.-W	03/26	04/09		20.0	9.0	45%	In progress
3009	1048	Windows Software Training	-----	-----	03/29	06/30	03/29	16.0	12.0		Complete
Field Analytical Support 05-96-0-05								950.0	220.0	28%	
0000	1007	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	46.0	92%	Complete
0000	1008	Instrument Maintenance	-----	-----	02/06	06/30		900.0	222.0	25%	In progress
0000	1009	Submit SOP & QA Results	-----	-----	03/26	03/06	03/26	2.0	2.0		Complete

Table 3. Summary of Inorganic Analysis. Week Ending 03/29/96

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
5104-006 51-024	Midco I	2 Soil 2 SPLP	ICP GFAA Hg CN	02/06	02/29	02/06 01/31 01/31 02/06	15.0	4.0	RD BY/MK LL JR/MK	Completed Completed Completed Completed
5104-007 51-025	Midco II	2 Soil 2 SPLP	ICP GFAA Hg CN	02/06	02/29	02/06 01/31 01/31 02/06	15.0	3.0	RD BY/MK LL JR/MK	Completed Completed Completed Completed
5104-001 51-005	QB2FY96	1 Soil 1 Water	ICP GFAA Hg ICP GFAA Hg CN			02/16 02/16 02/16 02/16 02/16 02/16 02/16	160.0	150.5	RD BY LL RD BY LL MK	Completed Completed Completed Completed Completed Completed Completed
5104-009 51-030	Muskego Sanitary LF 960042	3 Waters	ICP GFAA Cr by GFAA	02/28	03/15	03/11 03/14 03/14	120.0	80.0	RD LL BY	Completed
5104-011 51-040	Lemon Lane Landfill 960046	21 Waters	ICP GFAA Hg CN	03/12	04/02	03/21	200.0	148.0	RD BY LL MK	In Progress Completed
5104-012 51-041	American Chemical Services 960047	6 Waters	ICP GFAA Hg CN	03/14	04/03		90.0	64.0	RD BY LL MK	In Progress
5104-013 51-042	March Reswell PE 960043	1 Water	ICP GFAA CN	03/14	04/03		30.0	14.0	RD BY/LL MK	In Progress
5104-014 51-048	Galena/Platteville	4 Water	ICP GFAA Hg CN	03/25	04/10		80.0	41.0	RD BY LL MK	In Progress
5104-002 51-006	PE 5100 Sb,Tl,Se,Pb,Cd,As,Cr		GFAA	02/08	06/30		320.0	179.5	MK/BY/LL	In Progress

Table 4. Summary of Organic Data Review.

Work Assignment No. 05-96-0-07

=====														
TDF			Case	SAS	Data	Num.	ESAT		TID Dates:		Labor Hours:		Charge	
Number	Site Name	ST	No.	No.	Set #	Smpl	Assignee	Assgnd	Due	Cmplt'd	Est'd	Actual	Number	
=====														
SDG#														
5207-007	MacGillis & Gibbs	MN	24411	-----	-----	N9	11	IW	03/11	03/25	03/13	12.0	11.0	52013
5207-008	Lincoln Fields Co-op	OH	-----	960EPA	-----	1A	22	IW	03/11	03/25	03/15	18.0	16.0	52014
5207-010	MacGillis & Gibbs	MN	24389	-----	-----	L7	13	ACH	03/19	04/02	03/21	13.0	9.0	52020
5207-011	Grieves Woolen Mill	IL	24398	-----	-----	D1	17	MK	03/19	04/02	03/27	20.0	22.5	52021
5207-012	Grieves Woolen Mill	IL	24398	-----	CADRE	D1	17	ST	03/19	04/02		15.0		52022
5207-013	Lemon Lane Landfill	IN	24402	-----	-----	T6	15	ACH	03/22	04/05		16.0	9.5	52025

Month Ending 03/28/96

Table 3. Summary of Inorganic Analysis. Week Ending 03/29/96

ID# or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
5104-003 51-020	FIAS Hg		AA	02/06	06/30		300.0	159.0	MK	In Progress
5104-004 51-021	FIAS - Hydride Se, Sb, As		AA	02/06	06/30		300.0	9.5	MK/BY	In Progress
5104-005 51-022	Soil Digestion		CEM	02/12	06/30		400.0			
5104-008 51-026	RLIMS Demo - Oracle 7 / Windows		Demo	02/22	02/22	02/22	12.0	4.0	RD/MK	Completed
55-003	Windows Training					02/29	20.0	13.0		Completed
5104-008 51-004	Work Plan Preparation					03/06	50.0	51.8		Completed

TABLE 5. CUMULATIVE SUMMARY OF ORGANIC DATA REVIEW

Work Assignment No. 05-96-0-07

Month	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
Feb.,	1996	1	16	0	0	3	38	0	0	4	54
Mar.,	1996	5	80	0	0	0	0	0	0	5	80
Apr.,	1996										
May ,	1996										
Jun.,	1996										
Jul.,	1996										
Aug.,	1996										
Sep.,	1996										
Quart.	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
First	1996										
Second	1996										
Third	1996										
Fourth	1996										
Totals	1996										

Table 6. Summary of Inorganic Data Review.

TDF Number / Charge No.	Site Name	ST	Case No.	SAS No.	Data Set # SDG #	Num. Smpl	ESAT Assignee	Asgnd	TID Dates: Due Cmpltd		Labor Hours: Est'd Actual		Hrs per Sample
5208-007 52-018	Grieves Woolen Mill	IL	24398		DL1	16	LL	03/20	03/24	03/26	10.0	12.5	0.71
5208-008 52-019	MacGillis & Gibbs	MN	24389		KW2	20	IW	03/20	03/25	03/22	18.0	16.5	0.91
5208-009 52-023	MacGillis & Gibbs	MN	24389		KY5	20	IW	03/22	04/02	03/28	18.0	19.0	0.95
5208-009 52-023	MacGillis & Gibbs	MN	24389		KT3	20	RD	03/22	04/02		18.0	8.5	0.43
5208-009 52-023	MacGillis & Gibbs	MN	24389		K25	19		03/22	04/02		17.0		
5208-009 52-023	MacGillis & Gibbs	MN	24389		A82	4	RD	03/22	04/02	03/26	4.0	9.0	2.25
5208-010 52-024	MacGillis & Gibbs	MN	24411		KT7	20	MK	03/25	03/29		16.0	9.5	0.48
5208-011	Lemon Lane Landfill	IN	24402		CK1	12		03/25	04/05		12.0		
5208-012	MacGillis & Gibbs	MN	24411		A77	13	IW	03/26	04/05		12.0	6.0	0.46

Month Ending 03/28/96

TABLE 7. CUMULATIVE SUMMARY OF INORGANIC DATA REVIEW

Work Assignment No. 05-96-0-08

Month	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
Feb.,	1996	0	0	0	0	0	0	0	0	0	0
Mar.,	1996	4	60	0	0	0	0	0	0	4	60
Apr.,	1996										
May ,	1996										
Jun.,	1996										
Jul.,	1996										
Aug.,	1996										
Sep.,	1996										
Quart.	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
First	1996										
Second	1996										
Third	1996										
Fourth	1996										
Totals	1996										

Table #8A.96

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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
BURNETT, L	25553003		CAM-OR
	25553002		DATA COORDINATION SUPPORT
	25556000		ESAT TEAM MANAGEMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	000		ILLNESS

SUM		193.0	
DILG, R	25551041		AMERICAN CHEMICAL SERVICE
	25555001		ATTEND PITCON & EXPOSITION
	25552016		EQUATE INORGANIC ANALYSIS MTHD
	25556000		ESAT TEAM MANAGEMENT
	25551020		FIAS MERCURY METHOD DEVELOP.
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25551048		GALENA/PLATTEVILLE
	25551004		INORGANIC ANALYSIS
	25551005		INORGANIC ANALYSIS
	25551006		INORGANIC ANALYSIS
	25552004		INORGANIC DATA REVIEW
	25551012		LABORATORY SUPPORT SERVICES
	25551040		LEMON LANE LANDFILL
	25552023		MACGILLIS & GIBBS BELL
	25551024		MIDCO I
	25551025		MIDCO II
	25551030		MUSKEGO SANITARY LANDFILL
	000		OVERHEAD
	000		PERSONAL BUSINESS
	25552017		QB-1 REVIEW
	25552007		RAY HOLTMAN FARM
	25551042		RESWELL SAMPLE ANALYSIS
	25556002		TEAM MANAGEMENT & REPORTING
	25555003		WINDOWS SOFTWARE TRAINING

SUM		200.0	
GUGLIOTTA, A	25551038		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25555001		ATTEND PITCON & EXPOSITION

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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
GUGLIOTTA, A	25555002		CHEMSTATION TRAINING SESSIONS
	25556000		ESAT TEAM MANAGEMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25551046		GALENA/PLATTEVILLE
	000		ILLNESS
	25551032		INSTRUMENT MAINTENANCE
	25551013		MIDCO I
	25551016		MIDCO I
	25551014		MIDCO II
	25551015		MIDCO II
	25551029		MUSKEGO SANITARY LANDFILL
	25551028		PESTICIDE/PCB ANALYSIS
	25551017		U.S. AVIEX
	25551035		WESTINGHOUSE LEMON LANE LF
	25551036		WESTINGHOUSE-LEMON LANE LF
	25551045		WOODSTOCK LANDFILL
*****		-----	
sum		201.0	
 HARVEY, A	 25551038	 [REDACTED]	 AMERICAN CHEMICAL SERVICE
	25551039	[REDACTED]	AMERICAN CHEMICAL SERVICE
	25551043	[REDACTED]	AMERICAN CHEMICAL SERVICE
	25551009	[REDACTED]	BIOLOGICAL TOXICITY TESTING
	25551010	[REDACTED]	BIOLOGICAL TOXICITY TESTING
	25553001	[REDACTED]	DATA COORDINATION SUPPORT
	25556000	[REDACTED]	ESAT TEAM MANAGEMENT
	25551008	[REDACTED]	FIELD ANALYTICAL SUPPORT
	25555005	[REDACTED]	FOUR HOUR SAFETY REFRESHER TRN
	25557001	[REDACTED]	GENERAL OPERATIONS
	000	[REDACTED]	ILLNESS
	25552025	[REDACTED]	LEMON LANE LANDFILL
	25552020	[REDACTED]	MACGILLIS & GIBBS BELL
	25551036	[REDACTED]	WESTINGHOUSE-LEMON LANE LF
	25551037	[REDACTED]	WESTINGHOUSE-LEMON LANE LF
	25551044	[REDACTED]	WOODSTOCK LANDFILL
	25551047	[REDACTED]	WOODSTOCK LANDFILL
*****		-----	
sum		201.0	

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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
KAMINSKY, M	25556000		ESAT TEAM MANAGEMENT
	25551007		FIELD ANALYTICAL SUPPORT
	25551008		FIELD ANALYTICAL SUPPORT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25552021		GRIEVES WOOLEN MILL
	000		ILLNESS
	25551011		LABORATORY SUPPORT SERVICES
	25551027		METHOD DEVELOPMENT
	25552001		ORGANIC DATA REVIEW
	000		VACATION
	25551036		WESTINGHOUSE-LEMON LANE LF

SUM		200.0	
KNOPP, M	25551041		AMERICAN CHEMICAL SERVICE
	25555001		ATTEND PITCON & EXPOSITION
	25556000		ESAT TEAM MANAGEMENT
	25551020		FIAS MERCURY METHOD DEVELOP.
	25551021		FIAS-200 METHOD DEVELOPMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25551048		GALENA/PLATTEVILLE
	000		ILLNESS
	25551005		INORGANIC ANALYSIS
	25551006		INORGANIC ANALYSIS
	25551040		LEMON LANE LANDFILL
	25552024		MACGILLIS & GIBBS BELL
	25552007		RAY HOLTMAN FARM
	25551042		RESWELL SAMPLE ANALYSIS
	25555003		WINDOWS SOFTWARE TRAINING

SUM		200.0	
KROULDIS, R	25553003		CAM-OR
	25553004		COMPUTERIZED DRAFTING SUPPORT
	25553005		DEAD CREEK AREA G
	25556000		ESAT TEAM MANAGEMENT

SUM		96.0	

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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
LEONOVA, L	25551041		AMERICAN CHEMICAL SERVICE
	25552012		BRUCE PRODUCTS
	25556000		ESAT TEAM MANAGEMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25552018		GRIEVES WOOLEN MILL
	000		ILLNESS
	25551005		INORGANIC ANALYSIS
	25551006		INORGANIC ANALYSIS
	25551040		LEMON LANE LANDFILL
	25551024		MIDCO I
	25551025		MIDCO II
	25551030		MUSKEGO SANITARY LANDFILL
	25552006		ONALASKA MUNICIPAL LANDFILL
	000		OVERHEAD
	25552005		PERHAM ARSENIC SITE
	25552007		RAY HOLTMAN FARM
	25551033		TRUE TEMPER SPORTS
	000		VACATION
	25555003		WINDOWS SOFTWARE TRAINING
*****		-----	
SUM		200.0	
MARTIN, R	25557001		GENERAL OPERATIONS
	000		ILLNESS
*****		-----	
SUM		239.5	
MILLER, D	25551038		AMERICAN CHEMICAL SERVICE
	25551039		AMERICAN CHEMICAL SERVICE
	25551041		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25551009		BIOLOGICAL TOXICITY TESTING
	25553001		DATA COORDINATION SUPPORT
	25553002		DATA COORDINATION SUPPORT
	25556000		ESAT TEAM MANAGEMENT
	25556001		ESAT TEAM MANAGEMENT

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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY	
MILLER, D	25551020		FIAS MERCURY METHOD DEVELOP.	
	25551007		FIELD ANALYTICAL SUPPORT	
	25551008		FIELD ANALYTICAL SUPPORT	
	25555005		FOUR HOUR SAFETY REFRESHER TRN	
	25551048		GALENA/PLATTEVILLE	
	25551004		INORGANIC ANALYSIS	
	25551005		INORGANIC ANALYSIS	
	25551006		INORGANIC ANALYSIS	
	25552004		INORGANIC DATA REVIEW	
	25551011		LABORATORY SUPPORT SERVICES	
	25551040		LEMON LANE LANDFILL	
	25554001		METHOD 608 DNS SOP REVIEW	
	25551027		METHOD DEVELOPMENT	
	25551013		MIDCO I	
	25551016		MIDCO I	
	25551018		MIDCO I	
	25551024		MIDCO I	
	25551015		MIDCO II	
	25551019		MIDCO II	
	25551029		MUSKEGO SANITARY LANDFILL	
	25551030		MUSKEGO SANITARY LANDFILL	
	25552001		ORGANIC DATA REVIEW	
	25551003		PESTICIDE/PCB ANALYSIS	
	25551042		RESWELL SAMPLE ANALYSIS	
	25551001		SVOC Analysis	
	25556002		TEAM MANAGEMENT & REPORTING	
	25551002		VOC ANALYSIS	
	25551035		WESTINGHOUSE LEMON LANE LF	
	25551036		WESTINGHOUSE-LEMON LANE LF	
	25551037		WESTINGHOUSE-LEMON LANE LF	
	25551045		WOODSTOCK LANDFILL	

	sum		200.0	

MINCZUK, K	25552009		ABC DRUM
	25555001		ATTEND PITCON & EXPOSITION
	25553002		DATA COORDINATION SUPPORT
	25556000		ESAT TEAM MANAGEMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25551034		INSTRUMENT MAINTENANCE

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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
MINCZUK, K	25551027		METHOD DEVELOPMENT
	25551028		PESTICIDE/PCB ANALYSIS
	25551035		WESTINGHOUSE LEMON LANE LF
	25551037		WESTINGHOUSE-LEMON LANE LF
	25555004		WINDOWS SOFTWARE TRAINING
	25552015		WRITE SUMMARY REPORT
*****		-----	
SUM		210.0	
RAJABI, Z	25551038		AMERICAN CHEMICAL SERVICE
	25551039		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25555002		CHEMSTATION TRAINING SESSIONS
	25556000		ESAT TEAM MANAGEMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25551032		INSTRUMENT MAINTENANCE
	25551027		METHOD DEVELOPMENT
	25551013		MIDCO I
	25551016		MIDCO I
	25551018		MIDCO I
	25551014		MIDCO II
	25551015		MIDCO II
	25551019		MIDCO II
	25551029		MUSKEGO SANITARY LANDFILL
	000		OVERHEAD
	25551003		PESTICIDE/PCB ANALYSIS
	25551028		PESTICIDE/PCB ANALYSIS
	25551001		SVOC Analysis
	25556002		TEAM MANAGEMENT & REPORTING
	25551002		VOC ANALYSIS
	25551035		WESTINGHOUSE LEMON LANE LF
	25551036		WESTINGHOUSE-LEMON LANE LF
	25551037		WESTINGHOUSE-LEMON LANE LF
	25551044		WOODSTOCK LANDFILL
	25551045		WOODSTOCK LANDFILL
*****		-----	
SUM		206.0	
ROGOFF, M	25556000		ESAT TEAM MANAGEMENT


DATE: 04-APR-96

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LOCKHEED/ESAT MONTHLY STATUS REPORT
EMPLOYEE SUMMARY REPORT
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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
ROGOFF, M	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25551012		LABORATORY SUPPORT SERVICES

SUM		200.0	
TOBIN, S	25551039		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25553002		DATA COORDINATION SUPPORT
	25556000		ESAT TEAM MANAGEMENT
	25557001		GENERAL OPERATIONS
	25552022		GRIEVES WOOLEN MILL
	25551034		INSTRUMENT MAINTENANCE
	25554001		METHOD 608 DNS SOP REVIEW
	25551027		METHOD DEVELOPMENT
	25551018		MIDCO I
	25551019		MIDCO II
	25551028		PESTICIDE/PCB ANALYSIS
	000		VACATION
	25551035		WESTINGHOUSE LEMON LANE LF
	25551037		WESTINGHOUSE-LEMON LANE LF
	25555004	WINDOWS SOFTWARE TRAINING	
	25551044	WOODSTOCK LANDFILL	
	25551047	WOODSTOCK LANDFILL	

SUM		200.0	
WILSON, W	25552009		ABC DRUM
	25551038		AMERICAN CHEMICAL SERVICE
	25551041		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25556000		ESAT TEAM MANAGEMENT
	25555005		FOUR HOUR SAFETY REFRESHER TRN
	25552018		GRIEVES WOOLEN MILL
	25552021		GRIEVES WOOLEN MILL
	25551005		INORGANIC ANALYSIS
	25552004		INORGANIC DATA REVIEW
	25551040	LEMON LANE LANDFILL	

LOCKHEED/ESAT MONTHLY STATUS REPORT
EMPLOYEE SUMMARY REPORT
FOR MARCH 1996
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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY	
WILSON, W	25552025		LEMON LANE LANDFILL	
	25552014		LINCOLN FIELDS CO-OP	
	25552013		MACGILLIS & GIBBS BELL	
	25552019		MACGILLIS & GIBBS BELL	
	25552020		MACGILLIS & GIBBS BELL	
	25552023		MACGILLIS & GIBBS BELL	
	25552024		MACGILLIS & GIBBS BELL	
	25552027		MACGILLIS & GIBBS BELL	
	25554001		METHOD 608 DNS SOP REVIEW	
	25551018		MIDCO I	
	25551024		MIDCO I	
	25551019		MIDCO II	
	25551025		MIDCO II	
	25551029		MUSKEGO SANITARY LANDFILL	
	25551030		MUSKEGO SANITARY LANDFILL	
	25552011		ONALASKA MUNICIPAL LANDFILL	
	25552001		ORGANIC DATA REVIEW	
	25551028		PESTICIDE/PCB ANALYSIS	
	25556002		TEAM MANAGEMENT & REPORTING	
	25551035		WESTINGHOUSE LEMON LANE LF	
	25551036		WESTINGHOUSE-LEMON LANE LF	
	25551037		WESTINGHOUSE-LEMON LANE LF	
	25551045		WOODSTOCK LANDFILL	
	25552015		WRITE SUMMARY REPORT	

	SUM		200.0	
	YUEN, B	25551041		AMERICAN CHEMICAL SERVICE
		25552016		EQUATE INORGANIC ANALYSIS MTHD
		25556000		ESAT TEAM MANAGEMENT
25555005			FOUR HOUR SAFETY REFRESHER TRN	
25551048			GALENA/PLATTEVILLE	
25552018			GRIEVES WOOLEN MILL	
000			ILLNESS	
25551005			INORGANIC ANALYSIS	
25551006			INORGANIC ANALYSIS	
25551040			LEMON LANE LANDFILL	
25552019			MACGILLIS & GIBBS BELL	
25551030			MUSKEGO SANITARY LANDFILL	
000			OVERHEAD	

DATE: 04-APR-96

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LOCKHEED/ESAT MONTHLY STATUS REPORT
EMPLOYEE SUMMARY REPORT
FOR MARCH 1996
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EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
YUEN, B	25551042		RESWELL SAMPLE ANALYSIS
	25555003		WINDOWS SOFTWARE TRAINING

SUM		200.0	

EASTERN ZONE - BASE YEAR

SITE SPECIFIC INVOICE

CONTRACT #68D60002

REGION 5

04/01/96 THROUGH 04/28/96

ESAT MONTHLY FINANCIAL REPORT
 SITE SPECIFIC INVOICE CONTRACT: 68D60002
 BASE PERIOD REGION 5
 4/1/96 THROUGH 4/28/96

LOCKHEED MARTIN PROPRIETARY DATA

REGION	SITE NAME	SITE #	DATE	TRANS- SFO ACTION CODE	R/C	M/C	DOCUMENT CONTROL NUMBER	OBLIGAT DOCUMENT NUMBER	ACCT TO BE CHARGED	INITIAL ACCT OBLIGAT CODE	CLASS	CURRENT \$ MONTH	TREAS SCHE. INV. NUMB #	CUM \$ AMOUNT	DIRECT LABOR \$ MONTH	DIRECT ODC AND ADJ
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COSTS FOR SITES WITH EPA S/S ID

05	ABC DRUM							68D60002				2535	0.00	3			0.00
05	AMERICAN CHEMICAL SERVICE							68D60002				2535	2,210.60	3			0.00
05	BRUCE PRODUCTS							68D60002				2535	0.00	3			0.00
05	BULT'S FUEL SERVICE							68D60002				2535	524.31	3			0.00
05	CAM - OR							68D60002				2535	77.11	3			0.00
05	DEAD CREEK AREA G							68D60002				2535	293.01	3			0.00
05	GALENA/PLATTEVILLE							68D60002				2535	7,431.72	3			0.00
05	JOHNSON IRON AND METAL							68D60002				2535	0.00	3			0.00
05	LEMON LANE LANDFILL							68D60002				2535	11,041.47	3			0.00
05	LINCOLN FIELDS							68D60002				2535	0.00	3			0.00
05	MACGILLIS & GIBBS							68D60002				2535	3,410.01	3			0.00
05	MIDCO I							68D60002				2535	0.00	3			0.00
05	MIDCO II							68D60002				2535	(29.92)	3			0.00
05	MUSKEGO SANITARY LANDFILL							68D60002				2535	0.00	3			0.00
05	N.W. MAUTHE CO.							68D60002				2535	550.10	3			0.00
05	NEASE CHEMICAL							68D60002				2535	2,018.26	3			0.00
05	ONALASKA MUNI LF							68D60002				2535	0.00	3			0.00
05	PERHAM ARSENIC SITE							68D60002				2535	0.00	3			0.00
05	TRUE TEMPER SPORTS							68D60002				2535	0.00	3			0.00
05	U. S. AVIEX							68D60002				2535	0.00	3			0.00
05	WOODSTOCK LANDFILL							68D60002				2535	411.83	3			0.00

TOTAL SITES WITH EPA S/S ID

27,938.50 74,371.06 16,984.93 0.00

OTHER SITES

68D60002 2535 0.00 0.00

EPA S/S ID SUBTOTAL

0.00 0.00

COST FOR SITES WITHOUT EPA S/S ID

05	ALTGELD GARDENS							68D60002				2535	4,854.99	3			0.00
05	D.E. EDWARD'S LANDFILL							68D60002				2535	10,798.97	3			0.00
05	GRIEVES WOOLEN MILL							68D60002				2535	68.59	3			0.00
05	OLD STOCKYARDS							68D60002				2535	150.51	3			0.00
05	RAY HOLTMAN FARM							68D60002				2535	0.00	3			0.00
05	SPRINGFIELD ARMATURE							68D60002				2535	856.15	3			0.00
05	WILLOW RUN AIRPORT							68D60002				2535	185.05	3			0.00

SUBTOTAL

16,914.26 18,974.51 10,282.85 0.00

TOTAL REGION 5 SITE COSTS

44,852.76 93,345.57

NON SITE ACTIVITIES

68D60002 37,992.08 3 163,970.48

82,844.84 257,316.05



Environmental Systems & Technologies Co.

Environmental Services Assistance Teams
Region 5
536 S. Clark Street, Suite 1050
Mail Stop: SL-10C
Chicago, Illinois 60605

Phone: (312) 353-8302
Fax: (312) 353-8307

ENVIRONMENTAL SERVICES ASSISTANCE TEAM
U.S.EPA REGION V

EPA Contract 68-D60002

MONTHLY PROGRESS REPORT

30 March through 26 April 1996

Submitted to:

Jay Thakkar
ESAT Regional Project Officer
U.S.EPA Region V
Central Regional Laboratory
536 South Clark Street
Chicago, IL 60605

Submitted by:

Dennis Miller, Ph.D.
ESAT Team Manager
Lockheed Environmental Systems & Technologies Co.
536 South Clark Street
Chicago, IL 60605

7TH FLOOR
RECORDS CENTER
DUPLICATE

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INTRODUCTION

This Monthly Progress Report summarizes ESAT Region V activity for the period 30 March through 26 April March 1996.

I. TDF Project Work

ESAT received 37 new TDFs during this reporting period. Progress on individual WAs or TDFs is described in Section III. A compilation of TDF or WA activity is presented in Table 2 through Table 7.

The Region V ESAT team is fully staffed (14/14) and has the following P/T composition: 1 P4, 3 P3, 8 P2, 1 T2 and 1 T1. Two P2 staff members, the biologist and the cartographer (hydrogeologist), have 0.5 FTEs and thus the ESAT team has 13 full-time workers and two part-time workers. All 14 LOE positions are filled and there is one non-direct LOE administrative assistant. There were no new hires or resignations during the month.

II. Health and Safety

No accidents or incidents were reported this month. Six ESAT staff members attended an EPA and OSHA required eight hour annual hazardous waste site worker refresher health and safety training session on 4-17-96. The H&S training was provided directly by Region V. ESAT personnel performed weekly eyewash station and safety shower inspections in the CRL laboratories; weekly eyewash station/safety shower inspection forms were completed and were submitted to the CRL health and safety officer.

III. Section Reports

TASK AREA I

1.1 Organic Analysis

SVOC Analysis (WA 05-96-0-01):

Routine SVOC analysis was completed for two QB2 FY96 performance evaluation (PE) samples; the analysis data package was submitted ahead of schedule on 4-1-96 (TDF 5101-005).

Low level SVOC analysis was completed for two Woodstock Municipal Landfill residential well water samples; the analysis data package was submitted on schedule on April 4, 1996 (TDF 5101-006).

SVOC analysis was completed for six Lemon Lane Landfill groundwater samples and the April residential well PE sample; the analysis data packages were submitted ahead of schedule on April 16, 1996 (TDF 5101-007).

(7)

SVOC analysis was completed for three Galena-Platteville groundwater samples; the analysis data package was submitted ahead of schedule on April 24, 1996 (TDF 5101-008).

Sample extraction, extract GPC clean-up and extract SVOC GC/MS analysis were completed for nine soil samples and four water samples from the D.E. Edward's Landfill site (TDF 5101-009). Data processing and data package assembly are in progress; the analysis data package will be submitted during the first week of May.

VOC Analysis (WA 05-96-0-02):.

Low level VOC analysis was completed for five Galena-Platteville residential well water samples; the analysis data package was submitted ahead of schedule on April 2, 1996 (TDF 5102-009).

ESAT chemists completed the task of determining method detection limits (MDLs) for VOCs in soil for a new CRL HP 5972 GC/MS system (TDF 5102-010). The project report and analysis data package were submitted to the WAM on schedule on 4-5-96.

VOC analysis was completed for eight Lemon Lane Landfill groundwater samples and the April residential well PE sample; the analysis data packages were submitted one-week ahead of schedule on April 11, 1996 (TDF 5102-011).

Routine VOC analysis was completed for six Galena-Platteville surface water samples (TDF 5102-012); data processing and data package assembly are in progress. The Galena-Platteville VOC analysis data package will be submitted during the first week of May.

Pesticide/PCB Analysis (WA 05-96-0-03):

Low level pesticide/PCB analysis was completed for two Woodstock Municipal Landfill residential well water samples; the analysis data package was submitted one-week ahead of schedule on April 3, 1996 (TDF 5103-008).

Pesticide/PCB analysis was completed for six Lemon Lane Landfill groundwater samples and the April residential well PE sample; the analysis data packages were submitted ahead of schedule on April 16, 1996 (TDF 5103-009).

Sample extraction, extract GPC clean-up, extract florisil column clean-up and extract pesticide/PCB GC/ECD analysis were completed for nine soil samples and four water samples from the D.E. Edward's Landfill site (TDF 5103-010). Data processing and data package assembly are in progress; the pesticide/PCB analysis data package will be submitted during the first week of May.

The status of Organic Analysis is summarized in Table 2.

1.2 Inorganic Analysis (Work Assignment 05-96-0-04):

ICP metals, AA metals and cyanide analyses were completed for 21 Lemon Lane Landfill residential well water samples (TDF 5104-011) and the March residential well PE sample, (TDF 5104-012); the analysis data packages were submitted on schedule on 4-2-96.

Total metals (ICP metals, AA metals and mercury) and cyanide analyses were completed for six American Chemical Services residential well water samples (TDF 5104-012); the analysis data packages were submitted on schedule on 4-2-96.

Total metals and cyanide analyses were completed for four Galena-Platteville residential well water samples (TDF 5104-014). The mercury and cyanide analysis data packages were submitted one week ahead of schedule on 4-2-96; the ICP metals and AA metals analysis data packages were submitted on schedule on 4-9-96.

ICP metals, AA metals and cyanide analyses were completed for six filtered Lemon Lane Landfill groundwater samples (TDF 5104-015) and the April residential well PE samples (TDF 5104-016); ICP metals and AA metals analyses were completed for six Lemon Lane Landfill unfiltered water samples. The Lemon Lane Landfill and April res well PE sample ICP metals, AA metals and cyanide analysis data packages were submitted one week ahead of schedule on 4-10-96.

ICP metals, AA metals and cyanide analyses were completed for three Galena-Platteville groundwater samples (TDF 5104-017); the analysis data packages were submitted one week ahead of schedule on 4-19-96.

Mercury, cyanide and ICP metals analyses were completed for nine soil samples and four water samples from the D.E. Edward's site (TDF 5104-018). The cyanide and mercury analysis data packages were submitted ahead of schedule on 4-19-96 and 4-24-96, respectively; the ICP metals analysis results will be submitted on Monday, 4-29-96. Arsenic, cadmium, lead and thallium GFAA analyses were completed for the soil and water sample digests; antimony and selenium GFAA analyses are being delayed because one PE 5100 GFAA system is not functioning properly and another PE 5100 GFAA system is being used by an EPA analyst for non-Superfund sample analyses.

Two QB3 FY96 PE samples were received for analysis on 4-22-96 (5104-020). The QB soil sample was digested; ICP metals, AA metals and mercury analyses are in progress for the soil digest and the QB water sample. Cyanide analysis was

completed for the QB water sample; the analysis data package will be submitted on Monday, 4-29-96.

Seven water samples, spiked with three ppb of antimony, were digested and the digests were analyzed using a PE 5100 GFAA system to obtain precision data to calculate method detection limits (TDF 5104-002). The digests were analyzed using automization/cleaning temperatures of 2400°C and 2700°C with 9µL of matrix modifier; no significant baseline shift was observed. Using the A-3 PE 5100 GFAA system, selenium analysis was performed for West Branch Grand Calumet River water samples digested using CRL AA metals and EPA Method 200.9 GFAA metals digestion procedures.

FIAS 200 CVAA mercury method development (TDF 5104-003) was focused on the digestion and analysis of four NIST soil SRMs (2704, 2709, 2710 and 2711) and a QB2 FY 96 PE soil sample. The linearity of the mercury analysis method was also evaluated using analytical standards. The analysis method was found to be the most linear over the 0 to 50µg/L concentration range. The current soil digestion procedure appears to be too severe and uses too much sulfuric acid. Acid vapor is condensing on the quartz cell and is producing abnormal peak shapes which result in erratic instrument response. The SRMs were digested twice using a less severe acid mixture. The first digestion took place on 4-23-96 and the second digestion occurred on 4-24-96. For the digestion on 4-24-96 each sample was spiked with two levels of organic mercury and 5%K₂S₂O₈ was used as a strong oxidizing agent to insure the complete oxidation of organic mercury. The samples from the two digestions were analyzed using standard FIAS 200 CVAA analysis conditions except that the quartz cell was heated to 200°C instead of 150°C. Condensation was not apparent on the quartz cell and the mercury peaks appeared to be normal during the analysis of the samples digested on 4-24-96. Slight condensation was apparent on the quartz cell during the analysis of the samples digested on 4-23-96 but the condensation did not appear to affect peak shape. The analyte recoveries for the samples digested on 4-23-96 ranged from 100.9 to 118.4%. The analyte recoveries for the samples digested on 4-24-96 ranged from 112.7 to 127.7%. The matrix spike recoveries for the samples digested on 4-24-96 were erratic and unreliable. The poor matrix spike recoveries may be due to the fact that the organic mercury intermediate standard used for spiking the samples was not freshly prepared the day the samples were digested. The mercury digestion procedure will continue to be modified to obtain adequate digestion efficiency without causing erratic instrument response for the FIAS 200 AA system.

The status of inorganic analysis is summarized in Table 3.

1.3 Biology and Toxicity Testing (WA 05-96-0-06):

The ESAT biologist performed daily maintenance of the culture units to sustain the supplies of earthworms (Eisenia foetida). A valid seed germination reference toxicity test and a valid root elongation reference toxicity test were completed; the root elongation test control chart was updated to include the April reference test result. A new seed germination control chart is being developed because the EC50 values changed when new silica sand began being used for toxicity tests.

Earthworm toxicity testing is on hold because the current CRL supply of sphagnum peat will not support both test organism culturing and toxicity testing activities.

1.4 Field Analytical Support Program (WA 05-96-0-05):

On March 27, 1996, a new robotic arm was installed in the FASP Tekmar Precept purge and trap (P&T) concentrator autosampler by a Tekmar service engineer. During the week ending 4-5-96, seven soil samples, spiked with vinyl chloride and BFB, were analyzed to evaluate the mechanical operation of the Precept P&T autosampler and to assess analysis precision for an early eluting VOC (vinyl chloride) and a late eluting VOC (BFB). The Precept autosampler made seven sequential sample injections without any problems; measurement sensitivity and reproducibility were good for vinyl chloride and BFB. .

The April ESAT warehouse inspection was performed; no problems were noted. One of the step vans received its bimonthly safety inspection. A recurring problem is the inability of the FASP battery charger to fully recharge the marine coach batteries in the two StepVans. There may be a problem with the battery charger or the old batteries in the StepVan may not acquire a full charge.

The StepVan cart off-load ramp was repaired. The inside safety rail welds broke. The rails are needed to prevent a cart from rolling off the ramp or having a side fall into the center of the ramp. The rails were rewelded.

A new fan blade and fan motor were installed in the HP 5890 GC/ECD system. The new fan motor was larger than the old motor and the motor installation was more difficult than originally anticipated.

A new PID lamp was installed in the Varian 3400 VOC GC/PID-ELCD system. Replicate (n=12 to 15) soil and water samples, spiked with selected target analytes at the 10 ppb level, were analyzed to obtain precision data to calculate MDLs. Five representative chlorinated VOC target compounds and several BTEX aromatics were used for the limited MDL measurements. The calculated MDLs ranged from 3 to 7 ppb for both the soil and water samples. The Precept purge and trap

concentrator autosampler functioned well mechanically throughout the soil and water MDL measurements; there were no indications of any operational problems.

At the Bult's Fuel Service site in Highland, Indiana, the ESAT-draftsman provided technical support to operate the Agency's Geoprobe to collect field screening soil samples at 17 site locations (TDF 5105-004). Soil samples were collected at three depths (0-2', 2-4' and 4-6') for each site location. Composite site location soil samples were generated by mixing aliquots from each of the three depth profile samples. The soil samples will be analyzed for BTEX VOCs and petroleum products. ESAT was given split aliquots from 15 soil samples for future total petroleum hydrocarbon (TPH) method evaluation activities for the FASP TPH extraction and GC/FID analysis SOPs.

A new power supply was installed in a FASP 386 computer system necessary for the operation of a long path FT-IR system which can be used for VOC surface emission measurements. The hard drive of another 386 computer system was replaced after it became inoperable; the computer system is used to process analysis data for the FASP Incos 50 GC/MS system.

Six ESAT staff members attended an EPA and OSHA required annual eight hour refresher hazardous waste site worker health and safety training session on 4-17-96 (TDF 5105-005). The ESAT personnel perform on-site field analyses in the FASP mobile labs or provide technical assistance to operate the Agency's Geoprobe to collect field screening samples.

The Chicago Housing Authority (CHA) is conducting an emergency clean-up (remediation) of PCB contaminated soil at several areas adjacent to a day-care playground at the Altgeld Gardens housing development. The Region V Superfund program is providing oversight of the CHA clean-up under the guidance of the Greater Chicago Regional Team. On Thursday, 4-18-96, ESAT received 36 high priority Altgeld Garden soil samples for fast turnaround low level Aroclor 1260 analysis (TDF 5105-008) using modified FASP sample preparation/clean-up and GC/ECD extract analysis procedures. Ten grams of soil were mixed with anhydrous sodium sulfate and the mixture was refluxed with 50 mL of 1:1 (V/V) hexane/acetone for one hour using an automated Soxhlet extraction unit (Tecator HT2 Soxtec System). The sample extract was concentrated to 20 mL while being solvent exchanged to hexane; sulfuric acid clean-up was performed on the concentrated extract to remove interferences. The soil extracts were analyzed for Aroclor 1260 by GC/ECD using a five-point initial calibration curve encompassing an extract concentration range of 0.1 $\mu\text{g/mL}$ to 1.0 $\mu\text{g/mL}$. The action level for the soil clean-up is 1.0 ppm and the required

detection limit for the soil sample analyses is 20% of the action limit, ie, 0.20 ppm ($\mu\text{g/g}$).

ESAT chemists worked extended hours on Thursday and Friday (4-17 and 4-18) and over the weekend to successfully complete the analysis for all 36 soil samples. Reviewed analysis results were reported ahead of schedule by noon on Monday, 4-22-96. All required QA/QC criteria were met and appropriate extract dilutions were performed. ESAT analysis results were used by the CHA and Region V Superfund personnel to make a decision to remediate the sample collection area along with two other previously characterized site areas. On Monday, 4-22-96, site remediation was begun and continued throughout the week. Ten inches of top soil was scraped off (removed) and will be hauled to an appropriate landfill disposal area. On Wednesday and Thursday (4-23 and 4-24), ESAT received 42 high priority soil samples from the three Altgeld Garden remediation areas for fast turnaround Aroclor 1260 analysis (TDF 5105-009). The action level for the remediated soil is 10 ppm because it will be covered with clean top soil, nevertheless, low level Aroclor 1260 analysis was requested. Sample extraction, extract concentration and sulfuric acid extract clean-up were completed for all 42 soil samples by 4:30 p.m. on Friday, 4-26-96. Preliminary analysis results were verbally reported for six of the eight designated highest priority soil samples by 5:00 P.M. on Friday, 4-26-96. The ETM and two other ESAT scientists completed the analysis of all 42 soil samples on Saturday, 4-27-96; verbal analysis results were reported on Saturday for the two remaining highest priority samples so that the day-care center school could be reopened on Monday, 4-29-96. Reviewed analysis results will be reported for all 42 soil samples ahead of schedule on Monday afternoon.

1.5 Laboratory Support Services (WA 05-96-0-09):

Glassware from the biology, inorganic chemistry and organic chemistry laboratories was collected, washed, rinsed, dried and returned to the laboratories; routine and priority glassware washing requests were accommodated in a timely responsive manner. CRL laboratories (rooms) 1019, 1024, 1025, 1026, 1030, 1031, 1039 and 1040 were cleaned weekly; the lab cleaning checklist was completed and was submitted to the WAM weekly.

TASK AREA II

2. Data Review

2.1 Organic Data Review (WA 05-96-0-07):

Three RAS data cases containing 23 samples, eight SAS cases containing 35 samples and one dioxin data case containing 14

samples were assigned to the Organic Data Review Section for validation. Two of the data cases (13 samples) were received for CADRE validation. Eight data cases containing 44 samples were validated and a detailed narrative was submitted for each data case. Four data cases containing 28 samples will be carried over to May for completion of the data review. The LOE hours used during the month for the assigned data cases was 92.5 hours.

Two data cases were carried over from the previous month. One data case review (15 samples) was completed. The LOE hours used during the month for the two data cases carried over was 12.0 hours.

In summary, nine data cases containing 59 samples were validated. The data case reviews were completed about 6.0% over the ESAT budget; 87.5 actual hours versus 82.5 ESAT estimated hours. The total LOE for organic data review during this reporting period was 104.5 hours. The status of Organic Data Review is summarized in Table 4; a cumulative summary of Organic Data Review is given in Table 5.

	# Cases Assigned	# Cases Carried Over	# Cases Completed	# Cases In
Progress				
RAS	3	2	2	3
SAS	8	0	7	1
PRP	0	0	0	0
DXN	1	0	0	1
Total	12	2	9	5
No. Of Smpls.	72	32	59	45
EST. HRS.	106.5	31.0	82.5	55.0
LOE Used	92.5	12.0	87.5	26.5

2.2 Inorganic Data Review (WA 05-96-0-08):

Two RAS data cases containing 19 samples and three SAS cases containing 175 samples were assigned to the Inorganic Data Review Section for validation. One data case (14 samples) was received for CADRE validation. One data case containing five samples was validated and a detailed narrative was submitted. A total of 44.0 LOE hours was utilized for the

assigned data cases. Four data cases containing 189 samples will be carried over to May for review completion.

Five data cases containing 84 samples were carried over from the previous month the data case reviews were completed. The LOE hours used during the month for the data cases carried over was 53.0 hours.

In summary, six data cases containing 84 samples were validated this month. The total ESAT estimated LOE for these cases is 80.0 hours; a total of 85.0 LOE hours was used to validate these cases. The status of Inorganic Data Review is summarized in Table 6; a cumulative summary of Inorganic Data Review is given in Table 7.

	# Cases Assigned	# Cases Carried Over	# Cases Completed	# Cases In Progress
RAS	1	5	6	0
SAS	4	0	0	4
PRP	0	0	0	0
Total	5	5	6	4
No. Samples	194	84	89	189
Est. Hours	67.0	75	80	62.0
LOE Used	44.0	53	85	36.0

Comment: SAS data case 95ZC17 (169 samples) remains "on hold" pending receipt of missing documentation and additional information requested from the analytical laboratory on 4-4-96.

2.3 PE (QB) Sample Evaluation

No QB or PE sample data packages were received for review and evaluation.

TASK AREA III

3. Logistical and Administrative Support

3.1 Data Coordination (WA 05-96-0-10):

Four inorganic data cases and 18 organic data cases were received and processed; seven validated data packages were copied and mailed to data users. Effort was directed toward maintaining files in the data custody room; nine boxes of current files were packed and prepared for shipment to the Federal Records Center. Seven electronic contract

compliance screening files (packages) were processed, copied and incorporated into the appropriate sample analysis SDG data case. Each DOS CCS file must be individually saved as a WordPerfect 5.1 file, the DOS file must be converted to an appropriate WordPerfect format, the base font size and page margins must be changed for each file and the page breaks must be realigned for many files before the CCS package can be printed.

RLIMS log-in was performed for samples from the Lemon Lane Landfill, Galena-Platteville, D.E. Edward's and Altgeld Gardens sites; paperwork was prepared, copied and distributed to appropriate CRL and ESAT personnel. RLIMS log-in was also performed for the May residential well PE samples and the inorganic QB3 FY96 PE samples.

3.2 Cartography Drafting Support (WA 05-96-0-05):

Project: Dead Creek Area G Landfill, Illinois (TDF 5105-004)

A site location drawing was prepared using PhotoStyler and CorelDraw software. A site feature map was prepared using AutoCad Rel.13.

Project: Willow Run Airport, Michigan (TDF 5105-006)

Four drawings were prepared for a L-39C jet fighter. The drawings include top, bottom, left side and right side views. The drawings show areas where samples were collected for a radiological survey. The jet fighter was used to transport radioactive material and was involved in an incident where a radioactive material release was considered possible.

Project: Cam-Or, Westville, Indiana (TDF 5105-001)

The ESAT draftsman created a Geobase database and began inputting sample analysis data into the database. The database will be used to prepare a site map showing monitoring well locations and groundwater contaminant concentrations.

The ESAT draftsman digitized drawings of geoprobe equipment. The drawings will be put in a geoprobe operation SOP being revised by the FASP task leader.

TASK AREA IV

4. QA/QC Support

Analytical data package was performed for: (1) Lemon Lane Landfill ICP metals, AA metals and cyanide analyses (2) American Chemical Services ICP metals, AA metals, mercury and cyanide analyses (3) Woodstock Municipal Landfill VOC,

SVOC and pesticide/PCB analyses (4) Galena-Platteville ICP metals, AA metals, mercury, cyanide and VOC analyses (5) Lemon Lane Landfill ICP metals, AA metals, cyanide, VOC, SVOC and pesticide/PCB analyses (6) Galena-Platteville ICP metals, AA metals, cyanide and SVOC analyses and (7) D.E. Edward's Landfill mercury and cyanide analyses.

TASK AREA V

5.0 Training

Two organic data reviewers received limited training from the WAM to use the new version of CADRE software for data validation (TDF 5207-014). Six ESAT staff members attended an EPA and OSHA required annual eight hour refresher hazardous waste workers health and safety training session on 4-17-96. The ESAT personnel perform on-site FASP field analyses or provide technical support to operate the Agency's geoprobe to collect field screening samples.

Task Area VI

6.0 ESAT Team Management and Administration (WA 05-96-0-11):

The Region V ESAT Quality Management Plan and the ESAT Health and Safety Plan were submitted to the RPO on 4-1-96. Revised cost summaries were prepared for all 11 ESAT work plans to increase the estimated LOE hours and ODC costs to reflect a six month performance period; the ESAT WAS incorrectly had a five month performance period.

ESAT personnel performed weekly eyewash station and safety shower inspections in the CRL laboratories; the safety inspection LOE hours were charged to the ESAT team management WA under task 6 which covers ESAT health and safety activities. Weekly eyewash station/safety shower inspection report forms were completed and were submitted to the CRL health and safety officer.

The Region V RLIMS is still non-functional for uploading sample analysis results and generating analysis result report forms. Both organic and inorganic analytical data packages continue to be submitted without RLIMS analysis result report forms. When the RLIMS becomes fully functional/operational, significant LOE hours may be required to upload the progressively larger backlog of sample analysis data and generate RLIMS analysis result report forms.

The current total LOE hours used for each WA (as of 4-26-96) is given in column 3 of Table 1 below. As of 4-26-96, approximately 47% of the six month performance period work days have occurred. The % LOE used for each WA is given in column 5 of Table 1. Work Assignments 3 (Pesticide/PCB Analysis) and 6 (Biology & Toxicity Testing) have higher than anticipated (expected) % LOE usage and will be closely monitored. The % LOE used for WA 11 is not higher than anticipated because 355 LOE hours were used for contract start-up when WAs had not been issued. The low data review % LOE usage is consistent with the much smaller than normal number of data cases received for review during March and April.

Table 1: WA LOE UTILIZATION

Work Assignment	Title	Current LOE Hrs	Work Plan LOE Hrs	% LOE USED
05-96-0-01	SVOC Analysis	436.0	1352	32.2
05-96-0-02	VOC Analysis	404.8	1088	37.2
05-96-0-03	Pesticide/PCB Analysis	646.7	1194	54.2
05-96-0-04	Inorganic Analysis	1503.3	3650	41.2
05-96-0-05	FASP Services	803.1	2000	40.2
05-96-0-06	Biology & Toxicity Testing	354.5	594	59.7
05-96-0-07	Organic Data Review	415.0	1288	32.2
05-96-0-08	Inorganic Data Review	375.2	1036	36.2
05-96-0-09	Laboratory Support Services	452.5	1022	44.3
05-96-0-10	Data Coordination	442.5	1024	43.2
05-96-0-11	Team Management & Administration	825.5	1505	54.8

Table 2. SUMMARY OF ORGANIC ANALYSIS

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	% AOC	Comments
Semi-volatile Analysis 05-96-0-01								1045.0 1045.0	436.0	122%	
0000	1001	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	23.5	47%	Complete
1001	1013	MIDCO I	2	Soil	02/06	02/20	02/13	60.0	30.5	51%	Complete
1002	1015	MIDCO II	2	Soil	02/06	02/20	02/13	60.0	30.0	50%	Complete
0000	1031	Inst. Maintenance	-----	-----	02/26	06/30		150.0	6.5	4%	In progress
1003	5001	Attend PITCON	-----	-----	03/04	03/08	03/08	96.0	29.5	31%	Complete
1004	1035	Westinghouse/Lemon Lane	22	Res.-W	03/12	03/29	03/26	110.0	86.0	78%	Complete
1005	1043	Amer. Chem. Ser./QB2FY96	8	Res.-W	03/15	04/03	3/27-04/03	60.0	59.0	98%	Complete
1006	1044	Woodstock Landfill	2	Res.-W	03/25	04/05	04/04	20.0	18.5	93%	Complete
1007	1053	Lemon Lane L.F./P.E.	7	G-Water	04/04	04/19	04/16	49.0	49.0	100%	Complete
1008	1056	Smedema Farm	3	G-Water	04/11	04/26	04/24	30.0	29.5	98%	Complete
1009	1058	D.E. Edward's L.F.	13	S.W/Soil	04/12	04/30		100.0	74.0	74%	In progress
Volatile Analysis 05-96-0-02								1088.0 855.0	404.8	37%	
0000	1002	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	23.0	46%	Complete
2002	1014	MIDCO II	2	Soil	02/06	02/20	02/13	60.0	14.5	24%	Complete
2001	1016	MIDCO I	2	Soil	02/06	02/20	02/13	40.0	15.0	38%	Complete
2003	1017	U.S. Aviax RLIMS	84	Res.-W	02/06	02/20	02/09	20.0	8.0	40%	Complete
2004	5002	Chemstation Training	-----	-----	02/26	03/15	03/15	70.0	69.85	99%	Complete
2005	1029	Muskego Sanitary L.F.	4	S-Water	02/29	03/08	03/05	40.0	37.0	93%	Complete
0000	1032	Inst. Maintenance	-----	-----	02/26	06/30		150.0	15.8	11%	In progress
2006	1036	Westinghouse/Lemon Lane	25	Res.-W	03/13	03/29	03/20	110.0	46.0	42%	Complete
2007	1038	Amer. Chem. Ser./QB2FY96	10	Res.-W	03/15	04/02	03/22-03/26	70.0	34.0	49%	Complete
2008	1045	Woodstock Landfill	2	Res.-W	03/25	04/05	03/29	16.0	15.0	94%	Complete
2009	1046	Galena/Platteville	5	Res.-W	03/25	04/05	04/02	25.0	25.0	100%	Complete
2010	1050	MDL Study-Soil	-----	-----	04/02	04/05	04/05	40.0	24.0	60%	Complete
2011	1054	Lemon Lane L.F./P.E.	8	G-Water	04/04	04/18	04/11	40.0	40.0	100%	Complete
2012	1064	Galena/Platteville	6	S-Water	04/17	04/26		30.0	38.0	127%	In progress
Pesticides/PCB 05-96-0-03								1194 855.0	647.7	75%	
0000	1003	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	23.5	47%	Complete
3001	1018	MIDCO I	2	Soil	02/06	02/20	02/14	60.0	38.0	63%	Complete
3002	1019	MIDCO II	2	Soil	02/06	02/20	02/14	60.0	37.5	63%	Complete
3003	1023	GPC Pan Assembly	-----	-----	02/16	02/22	02/22	40.0	16.0	40%	Complete
3004	1027	PCB standards analysis	-----	-----	02/23	03/07	03/07	50.0	50.5	101%	Complete
3005	1028	GPC Check	-----	-----	02/26	03/08	03/14	40.0	82.7	207%	Complete
0000	1034	Inst. Maintenance	-----	-----	03/04	06/30		80.0	46.5	58%	In progress
0000	4001	Method 608 DNS Review	-----	-----	03/04	06/30	03/22	24.0	25.5	106%	Complete
3006	1037	Westinghouse/Lemon Lane	22	Res.-W	03/13	03/28	03/28	120.0	106.5	89%	Complete
3007	1039	Amer. Chem. Ser./PE/QB2FY	10	Res.-W	03/15	03/29	04/02	72.0	75.5	105%	Complete
3008	1047	Woodstock Landfill	2	Res.-W	03/26	04/09	04/03	20.0	19.5	98%	Complete
3009	1051	Lemon Lane L.F./P.E.	6	G-Water	04/04	04/19	04/16	45.0	47.0	91%	Complete
0000	5004	Windows Software Training	-----	-----	03/24	06/30	03/29	16.0	12.0	75%	Complete
3010	1059	D.E. Edward's L.F.	13	S.W/Soil	04/12	04/26		100.0	70.0	70%	In progress

Table 2. SUMMARY OF ORGANIC ANALYSIS

TDF	PWO				Date	Date	Date	Est.	ESAT		Comments
Number	Number	Site Name	Samples	Matrix	Asgnd	Due	Completed	Hrs.	Hrs	% AOC	
Field Analytical Support 05-96-0-05								950.0	550.1	58%	
1007	1007	Prepare Work Plan	-----	-----	02/06	03/06	03/06	50.0	46.0	92%	Complete
1008	1008	Instrument Maintenance	-----	-----	02/06	06/30		900.0	357.5	40%	In progress
5008	1063	Altgeld Gardens	35	Soil	04/18	05/02		140.0	98.1	70%	In progress
5009	1066	Altgeld Gardens	38	Soil	04/24	05/01		120.0	48.5	40%	In progress

Table 3. Summary of Inorganic Analysis. Week Ending 04/26/96

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
5104-006 51-024	Midco I	2 Soil 2 SPLP	ICP GFAA Hg CN	02/06	02/29	02/06 01/31 01/31 02/06	15.0	4.0	RD BY/MK LL JR/MK	Completed Completed Completed Completed
5104-007 51-025	Midco II	2 Soil 2 SPLP	ICP GFAA Hg CN	02/06	02/29	02/06 01/31 01/31 02/06	15.0	3.0	RD BY/MK LL JR/MK	Completed Completed Completed Completed
5104-001 51-005	QB2FY96	1 Soil 1 Water	ICP GFAA Hg ICP GFAA Hg CN	02/02	02/29	02/16 02/16 02/16 02/16 02/16 02/16 02/16	160.0	150.0 ⁰	RD BY LL RD BY LL MK	Completed Completed Completed Completed Completed Completed Completed
5104-009 51-030	Muskego Sanitary LF 960042	3 Waters	ICP GFAA Cr by GFAA	02/28	03/15	03/11 03/14 03/14	90.0	80.0	RD LL BY	Completed Completed Completed
5104-011 51-040	Lemon Lane Landfill 960046	21 Waters	ICP AA Hg CN	03/12	04/02	04/05 04/02 03/21 04/02	200.0	169.3	RD BY LL MK	Completed Completed Completed Completed
5104-012 51-041	American Chemical Services 960047	6 Waters	ICP AA Hg CN	03/14	04/03	04/05 04/02 04/02 04/02	90.0	80.4	RD BY LL MK	Completed Completed Completed Completed
5104-013 51-042	March Reswell PE 960043	1 Water	ICP AA CN	03/14	04/03	04/05 04/02 04/02	15.0	17.0	RD BY/LL MK	Completed Completed Completed
5104-014 51-048	Galena/Platteville 960050	4 Water	ICP GFAA Hg CN	03/25	04/10	04/09 04/09 04/02 04/02	80.0	92.0	RD BY LL MK	Completed Completed Completed Completed
5104-015 51-052	Lemon Lane Landfill 960057	12 Water 6 Water	ICP AA CN	04/04	04/19	04/11 04/10 04/09	120.0	113.5	RD BY MK	Completed Completed Completed

Table 3. Summary of Inorganic Analysis. Week Ending 04/26/96

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
5104-016 51-055	April Reswell PE 960052	1 Water	ICP AA CN	04/04	04/26	04/11 04/10 04/09	15.0	5.5	RD BY MK	Completed Completed Completed
5104-017 51-057	Galena-Platteville 960061	3 Water	ICP AA CN	04/12	04/29	04/19 04/19 04/19	45.0	49.0	RD BY MK	Completed Completed Completed
5104-018 51-060	D.E.Edward's L.F. 960062	9S & 4W	ICP AA Hg CN	04/12	05/02	 04/24 04/19	150.0	156.0	RD BY/LL LL MK	In Progress In Progress Completed Completed
5104-020 51-065	QB3 FY96 960068	1 Water 1 Soil	ICP AA Hg CN ICP AA Hg	04/22	05/20		150.0	61.0	RD BY/MK LL MK RD BY/LL MK	In Progress In Progress In Progress In Progress In Progress In Progress In Progress
5104-002 51-006	PE 5100 Sb,Tl,Se,Pb,Cd,As,Cr		GFAA	02/08	06/30		320.0	225.5	MK/BY/LL	In Progress
5104-003 51-020	FIAS Hg		AA	02/06	06/30		300.0	21 ³ ₂ .0	MK	In Progress
5104-004 51-021	FIAS - Hydride Se, Sb, As		AA	02/06	06/30		300.0	9.5	MK/BY	In Progress
5104-005 51-022	Soil Digestion		CEM	02/12	06/30		400.0		RD	
5104-008 51-026	RLIMS Demo - Oracle 7 / Windows		Demo	02/22	02/22	02/22	12.0	4.0	RD/MK	Completed
55-003	Windows Training					02/29	20.0	13.0	Team	Completed
5104-008 51-004	Work Plan Preparation					03/06	50.0	51.8	RD/DM	Completed

Table 4. Summary of Organic Data Review.

Work Assignment No. 05-96-0-07

=====														
TDF			Case	SAS	Data	Num.	ESAT		TID Dates:		Labor Hours:		Charge	
Number	Site Name	ST	No.	No.	Set #	Smpl	Assignee	Assgnd	Due	Cmplt'd	Est'd	Actual	Number	
=====														
SDG#														
5207-012	Grieves Woolen Mill	IL	24398	-----	CADRE	D1	17	ST	03/19	04/02		15.0	1.0	52022
5207-013	Lemon Lane Landfill	IN	24402	-----	-----	T6	15	ACH	03/22	04/05	04/05	16.0	20.5	52025
5207-015	Nease Chemicals	OH	-----	95ZB15	-----	02	5	AG	04/11	04/25	04/17	7.5	7.5	52029
5207-016	Nease Chemicals	OH	-----	95ZB15	-----	06	5	ST	04/11	04/25	04/24	7.5	6.5	52030
5207-017	Nease Chemicals	OH	-----	95ZB15	-----	30	6	IW	04/11	04/25	04/16	9.0	11.0	52031
5207-018	Nease Chemicals	OH	-----	95ZB01	-----	01	6	ST	04/11	04/25	04/12	9.0	9.5	52032
5207-019	Nease Chemicals	OH	-----	95ZB01	-----	06	3	KM	04/11	04/25	04/25	5.0	5.0	52033
5207-020	Nease Chemicals	OH	-----	95ZB01	-----	09	4	ST	04/11	04/25	04/12	6.0	6.5	52034
5207-021	Galena Platteville	IL	24495	-----	-----	88	10	IW	04/16	04/30	04/19	15.0	13.0	52038
5207-022	Springfield Armature	OH	-----	96OEPA	-----	AU	5	AG	04/17	05/01	04/26	7.5	8.0	52039
5207-023	Alcola	IL	24543	-----	CADRE	P8	9	ST	04/23	05/07		9.0		52040
5207-024	Alcola	IL	24531	-----	CADRE	K2	4	ST	04/23	05/07		6.0		52041
5207-025	MacGillis & Gibbs	MN	-----	96ZB03DIOXIN		97	14	IW	04/23	05/07		25.0	20.5	52042
5207-025	MacGillis & Gibbs	MN	-----	96ZB03	TCLP	81	1	AG	04/23	05/07			5.0	52042
=====														

Month Ending 04/28/96

TABLE 5. CUMULATIVE SUMMARY OF ORGANIC DATA REVIEW

Work Assignment No. 05-96-0-07

Month	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
Feb.,	1996	1	16	0	0	3	38	0	0	4	54
Mar.,	1996	5	80	0	0	0	0	0	0	5	80
Apr.,	1996	2	25	0	0	7	34	0	0	9	59
May ,	1996										
Jun.,	1996										
Jul.,	1996										
Aug.,	1996										
Sep.,	1996										

Quart.	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
First	1996										
Second	1996										
Third	1996										
Fourth	1996										
Totals	1996										

Table 5. Summary of Inorganic Data Review.

TDF Number / Charge No.	Site Name	ST	Case No.	SAS No.	Data Set # SDG #	Num. Smpl	ESAT Assignee	Asgnd	TID Dates:			Labor Hours:		Hrs pe Sample
									Due	Cmplt'd		Est'd	Actual	
5208-009 52-023	MacGillis & Gibbs	MN	24389		KT3	20	RD	03/22	04/02	04/08		18.0	24.5	1.23
5208-009 52-023	MacGillis & Gibbs	MN	24389		K25	19	LL	03/22	04/02	04/04		17.0	13.0	0.68
5208-010 52-024	MacGillis & Gibbs	MN	24411		KT7	20	MK	03/25	03/29	04/02		16.0	11.0	0.55
5208-011 52-026	Lemon Lane Landfill	IN	24402		CK1	12	BY	03/25	04/05	04/03		12.0	11.0	0.55
5208-012 52-027	MacGillis & Gibbs	MN	24411		A77	13	IW	03/26	04/05	04/04		12.0	17.5	1.35
5208-013 52-028	N. W. Mauthe Co.	WI	-----	95ZC17	001	169	MK	04/03	04/10	***		40.0	18.0	0.11
5208-015 52-035	Springfield Armature	OH	-----	96OEPA	AUS	5	LL	04/16	04/30			5.0	6.0	1.20
5208-016 52-036	Springfield Armature	OH	24470		GB1	5	IW	04/16	04/30	04/22		5.0	8.0	1.4
5208-017 52-037	Old Stockyards	IL	24440	CADRE	Z84	14	BY	04/16	04/30			10.0	5.0	0.36
5208-018 52-043	MacGillis & Gibbs	MN	-----	96ZB03	S81	1	IW	04/23	05/07			7.0	7.0	7.00

*** = Case "On Hold" pending additional information from the laboratory.

Month Ending 04/28/96

TABLE 7. CUMULATIVE SUMMARY OF INORGANIC DATA REVIEW

Work Assignment No. 05-96-0-08

Month	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
Feb.,	1996	0	0	0	0	0	0	0	0	0	0
Mar.,	1996	4	60	0	0	0	0	0	0	4	60
Apr.,	1996	6	89	0	0	0	0	0	0	6	89
May ,	1996										
Jun.,	1996										
Jul.,	1996										
Aug.,	1996										
Sep.,	1996										

Quart.	Year	RAS		PRP		SAS		Dioxin		Total	
		Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples	Cases	Samples
First	1996										
Second	1996										
Third	1996										
Fourth	1996										
Totals	1996										

Table #8A.96

DATE: 06-MAY-96

PAGE:

LOCKHEED/ESAT MONTHLY STATUS REPORT

EMPLOYEE SUMMARY REPORT

FOR ~~APRIL 1996~~ 3-30 thru 4-25-96

REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
BURNETT, L	25553002		DATA COORDINATION SUPPORT
	000		ILLNESS
	000		VACATION
*****		-----	
sum		158.0	
DILG, R	25551041		AMERICAN CHEMICAL SERVICE
	25551060		D.E. EDWARD'S LANDFILL
	25551048		GALENA/PLATTEVILLE
	25551057		GALENA/PLATTEVILLE
	000		ILLNESS
	25551055		INORGANIC ANALYSIS
	25551040		LEMON LANE LANDFILL
	25551052		LEMON LANE LANDFILL
	25551065		QB3 FY96 SAMPLE ANALYSIS
	25551042		RESWELL SAMPLE ANALYSIS
	25551061		SCORE QB2 FY96 INORG. RESULTS
*****		-----	
sum		161.0	
GUGLIOTTA, A	25551039		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25551058		D.E. EDWARD'S LANDFILL
	25551059		D.E. EDWARD'S LANDFILL
	25556003		ESAT HEALTH & SAFETY
	25551046		GALENA/PLATTEVILLE
	25551056		GALENA/PLATTEVILLE
	25551064		GALENA/PLATTEVILLE
	000		ILLNESS
	25551031		INSTRUMENT MAINTENANCE
	25551053		LEMON LANE LANDFILL
	25551054		LEMON LANE LANDFILL
	25552042		MACGILLIS & GIBBS BELL
	25551050		MDL STUDY FOR VOAS IN SOIL
	25552029		NEASE CHEMICAL
	25552039		SPRINGFIELD ARMATURE
	000		VACATION
	25551044		WOODSTOCK LANDFILL

LOCKHEED/ESAT MONTHLY STATUS REPORT

EMPLOYEE SUMMARY REPORT

FOR ~~APRIL 1996~~ 9-30 thru 4-26-96

REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY

SUM		160.0	
HARVEY, A	25551063		ALTGELD GARDENS
	25551066		ALTGELD GARDENS
	25551010		BIOLOGICAL TOXICITY TESTING
	25556003		ESAT HEALTH & SAFETY
	25556100		GENERAL OPERATIONS
	000		ILLNESS
	25552025		LEMON LANE LANDFILL
	25555006		REFRESHER FIELD SAFETY TRNG

SUM		165.1	
KAMINSKY, M	25551063		ALTGELD GARDENS
	25551066		ALTGELD GARDENS
	25551008		FIELD ANALYTICAL SUPPORT
	25551056		GALENA/PLATTEVILLE
	25552021		GRIEVES WOOLEN MILL
	25551034		INSTRUMENT MAINTENANCE
	25551053		LEMON LANE LANDFILL
	25555006		REFRESHER FIELD SAFETY TRNG

SUM		162.0	
KNOPP, M	25551041		AMERICAN CHEMICAL SERVICE
	25551060		D.E. EDWARD'S LANDFILL
	25551020		FIAS MERCURY METHOD DEVELOP.
	25551048		GALENA/PLATTEVILLE
	25551057		GALENA/PLATTEVILLE
	000		ILLNESS
	25551040		LEMON LANE LANDFILL
	25551052		LEMON LANE LANDFILL
	25552028		N.W. MAUTHE CO
	25551065		QB3 FY96 SAMPLE ANALYSIS

SUM		160.0	

DATE: 06-MAY-96

PAGE:

LOCKHEED/ESAT MONTHLY STATUS REPORT

EMPLOYEE SUMMARY REPORT

FOR ~~APRIL 1996~~ 3-30 thru 4-26-96

REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
KRANZ, L	000		PERSONAL BUSINESS

sum		40.0	
KROULDIS, R	25551049		BULT'S FUEL SERVICE
	25553003		CAM-OR
	25553004		COMPUTERIZED DRAFTING SUPPORT
	25553005		DEAD CREEK AREA G
	25551008		FIELD ANALYTICAL SUPPORT
	25555006		REFRESHER FIELD SAFETY TRNG
	25553006		WILLOW RUN AIRPORT

sum		92.0	
LEONOVA, L	25551041		AMERICAN CHEMICAL SERVICE
	25551060		D.E. EDWARD'S LANDFILL
	25551048		GALENA/PLATTEVILLE
	25551057		GALENA/PLATTEVILLE
	000		ILLNESS
	25551006		INORGANIC ANALYSIS
	25551052		LEMON LANE LANDFILL
	25552023		MACGILLIS & GIBBS BELL
	25552027		MACGILLIS & GIBBS BELL
	25551065		QB3 FY96 SAMPLE ANALYSIS
	25555006		REFRESHER FIELD SAFETY TRNG
	25552035		SPRINGFIELD ARMATURE
	25552036		SPRINGFIELD ARMATURE

sum		160.0	
MARTIN, R	25556100		GENERAL OPERATIONS
	25557001		GENERAL OPERATIONS
	000		ILLNESS
	000		VACATION

LOCKHEED/ESAT MONTHLY STATUS REPORT

EMPLOYEE SUMMARY REPORT

FOR ~~APRIL 1996~~ 3-30 thru 4-26-96

REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
*****		-----	
SUM		176.5	
MILLER, D	25551063		ALTGELD GARDENS
	25551066		ALTGELD GARDENS
	25551038		AMERICAN CHEMICAL SERVICE
	25551039		AMERICAN CHEMICAL SERVICE
	25551041		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25551058		D.E. EDWARD'S LANDFILL
	25551059		D.E. EDWARD'S LANDFILL
	25551060		D.E. EDWARD'S LANDFILL
	25553002		DATA COORDINATION SUPPORT
	25556001		ESAT TEAM MANAGEMENT
	25551020		FIAS MERCURY METHOD DEVELOP.
	25551008		FIELD ANALYTICAL SUPPORT
	25551046		GALENA/PLATTEVILLE
	25551048		GALENA/PLATTEVILLE
	25551056		GALENA/PLATTEVILLE
	25551057		GALENA/PLATTEVILLE
	25551005		INORGANIC ANALYSIS
	25551006		INORGANIC ANALYSIS
	25551055		INORGANIC ANALYSIS
	25551034		INSTRUMENT MAINTENANCE
	25551035		LEMON LANE LANDFILL
	25551036		LEMON LANE LANDFILL
	25551037		LEMON LANE LANDFILL
	25551040		LEMON LANE LANDFILL
	25551051		LEMON LANE LANDFILL
	25551052		LEMON LANE LANDFILL
	25551053		LEMON LANE LANDFILL
	25551054		LEMON LANE LANDFILL
	25551050		MDL STUDY FOR VOAS IN SOIL
	25551015		MIDCO II
	25556002		TEAM MANAGEMENT & REPORTING
	25551044		WOODSTOCK LANDFILL
	25551047		WOODSTOCK LANDFILL
*****		-----	
SUM		160.0	





LOCKHEED/ESAT MONTHLY STATUS REPORT
EMPLOYEE SUMMARY REPORTFOR APRIL 1996 5-30 Apr 4-26-96
REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
MINCZUK, K	25551063		ALTGELD GARDENS
	25551066		ALTGELD GARDENS
	25551039		AMERICAN CHEMICAL SERVICE
	25551058		D.E. EDWARD'S LANDFILL
	25551059		D.E. EDWARD'S LANDFILL
	25556003		ESAT HEALTH & SAFETY
	000		ILLNESS
	25551037		LEMON LANE LANDFILL
	25551051		LEMON LANE LANDFILL
	25551053		LEMON LANE LANDFILL
	25552033		NEASE CHEMICAL
	25555006		REFRESHER FIELD SAFETY TRNG
	25599999		SUSPENCE
	25552015		WRITE SUMMARY REPORT

SUM		189.5	
RAJABI, Z	25551063		ALTGELD GARDENS
	25551039		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25551058		D.E. EDWARD'S LANDFILL
	25551008		FIELD ANALYTICAL SUPPORT
	25551046		GALENA/PLATTEVILLE
	25551056		GALENA/PLATTEVILLE
	25551064		GALENA/PLATTEVILLE
	25551031		INSTRUMENT MAINTENANCE
	25551034		INSTRUMENT MAINTENANCE
	25551035		LEMON LANE LANDFILL
	25551051		LEMON LANE LANDFILL
	25551053		LEMON LANE LANDFILL
	25551054		LEMON LANE LANDFILL
	25551050		MDL STUDY FOR VOAS IN SOIL
	25556002		TEAM MANAGEMENT & REPORTING
	25555007		TRAINING ON CADRE DATA REVIEWS
	25551047		WOODSTOCK LANDFILL

SUM		160.0	
ROGOFF, M	000		ILLNESS

LOCKHEED/ESAT MONTHLY STATUS REPORT
 EMPLOYEE SUMMARY REPORT
 FOR ~~APRIL 1996~~ *3-26 thru 4-26-96*
 REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
ROGOFF, M	25551012		LABORATORY SUPPORT SERVICES
*****		-----	
SUM		160.0	
SEDLACEK, T	000		VACATION
*****		-----	
SUM		16.0	
TOBIN, S	25551063		ALTGELD GARDENS
	25551039		AMERICAN CHEMICAL SERVICE
	25551058		D.E. EDWARD'S LANDFILL
	25551059		D.E. EDWARD'S LANDFILL
	25553002		DATA COORDINATION SUPPORT
	25551056		GALENA/PLATTEVILLE
	25556100		GENERAL OPERATIONS
	25551031		INSTRUMENT MAINTENANCE
	25551034		INSTRUMENT MAINTENANCE
	25551051		LEMON LANE LANDFILL
	25551053		LEMON LANE LANDFILL
	25552030		NEASE CHEMICAL
	25552032		NEASE CHEMICAL
	25552034		NEASE CHEMICAL
	25555006		REFRESHER FIELD SAFETY TRNG
	25599999	SUSPENCE	
	25555007	TRAINING ON CADRE DATA REVIEWS	
	25551047	WOODSTOCK LANDFILL	
	25552015	WRITE SUMMARY REPORT	
*****		-----	
SUM		168.5	
WILSON, W	25551039		AMERICAN CHEMICAL SERVICE
	25551041		AMERICAN CHEMICAL SERVICE
	25551043		AMERICAN CHEMICAL SERVICE
	25551060		D.E. EDWARD'S LANDFILL
	25553002		DATA COORDINATION SUPPORT

DATE: 06-MAY-96

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LOCKHEED/ESAT MONTHLY STATUS REPORT

EMPLOYEE SUMMARY REPORT

FOR ~~APRIL 1996~~ 3-30 thru 4-26-96

REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
WILSON, W	25556003		ESAT HEALTH & SAFETY
	25551046		GALENA/PLATTEVILLE
	25551048		GALENA/PLATTEVILLE
	25551056		GALENA/PLATTEVILLE
	25551057		GALENA/PLATTEVILLE
	25551064		GALENA/PLATTEVILLE
	25552038		GALENA/PLATTEVILLE
	25551037		LEMON LANE LANDFILL
	25551040		LEMON LANE LANDFILL
	25551051		LEMON LANE LANDFILL
	25551052		LEMON LANE LANDFILL
	25551053		LEMON LANE LANDFILL
	25551054		LEMON LANE LANDFILL
	25552025		LEMON LANE LANDFILL
	25552026		LEMON LANE LANDFILL
	25552023		MACGILLIS & GIBBS BELL
	25552027		MACGILLIS & GIBBS BELL
	25552042		MACGILLIS & GIBBS BELL
	25552043		MACGILLIS & GIBBS BELL
	25552028		N.W. MAUTHE CO
	25552029		NEASE CHEMICAL
	25552030		NEASE CHEMICAL
	25552031		NEASE CHEMICAL
	25552032		NEASE CHEMICAL
	25552033		NEASE CHEMICAL
	25552034		NEASE CHEMICAL
	25551042		RESWELL SAMPLE ANALYSIS
	25552035		SPRINGFIELD ARMATURE
	25552036		SPRINGFIELD ARMATURE
	25552039		SPRINGFIELD ARMATURE
	25556002		TEAM MANAGEMENT & REPORTING
	000		VACATION
	25551044		WOODSTOCK LANDFILL
	25551047		WOODSTOCK LANDFILL

SUM

160.0

YUEN, B

25551060	D.E. EDWARD'S LANDFILL
25551048	GALENA/PLATTEVILLE
25551057	GALENA/PLATTEVILLE

DATE: 06-MAY-96

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LOCKHEED/ESAT MONTHLY STATUS REPORT

EMPLOYEE SUMMARY REPORT

FOR ~~APRIL 1996~~ 5-30 thru 4-26-96

REGION 5

EMPLOYEE NAME	CHARGE #	HOURS	ACTIVITY
YUEN, B	000		ILLNESS
	25551006		INORGANIC ANALYSIS
	25551052		LEMON LANE LANDFILL
	25552026		LEMON LANE LANDFILL
	25552037		OLD STOCKYARDS
	25551065		QB3 FY96 SAMPLE ANALYSIS
*****		-----	
SUM		160.0	

Environmental Protection Agency Office of Emergency and Remedial Response TECHNICAL DIRECTION FORM (TDF)	Contract No. 68D60002
	Contractor: Lockheed (LESAT)
	Work Assignment No. 05-99-3-03
	TDF No. 5103-11 8 6

Work Assignment Manager:	Babu Paruchuri	Phone	(312) 353-3646
Superfund Site Name: SF 990086 SAUGET AREA I (PRIORITY I - 7 DAYS DATA TURNAROUND) Superfund Site ID #: TFA 301			
Start Date: 07/02/99 Completion Date: 07/08/99			
TASK DESCRIPTION: Analyze 13 sediment samples for PCB/Pesticides using CRL methods. Perform required cleanup procedures.			
DELIVERABLE: SUBMIT STANDARD CRL DATA PACKAGE. ENTER INSTRUMENT USAGE, PREVENTIVE MAINTENANCE & THE SAMPLES/STANDARDS INJECTED ON THE LOGBOOKS DESIGNATED FOR THE INSTRUMENT. NOTIFY THE WAM <u>IN WRITING</u> IF PROJECTED COMPLETION DATE CANNOT BE MET.			
PO/RPO APPROVAL: <i>Jay Thupla</i>		Date: 7.6.99	
I CERTIFY THAT THIS TECHNICAL DIRECTIVE DOES NOT REQUEST SERVICES THAT ARE INHERENTLY GOVERNMENTAL FUNCTIONS AND THAT IT DOES NOT ALTER THE (1) STATEMENT OF WORK, (2) LEVEL OF EFFORT, (3) COST OF PERFORMING THE AUTHORIZED WORK, (4) NUMBER OF DELIVERABLES, OR (5) THE DUE DATES OF DELIVERABLES FOR THE ABOVE REFERENCED WORK ASSIGNMENT.			
WAM Signature <i>for: J. Paruchuri</i>		Date 07/02/99	

Original to Contractor

cc: WAM file Project Officer Contracting Officer

PRIORITY #1

990086

501020

RECORDS SECTION
DIVISIONENVIRONMENTAL PROTECTION AGENCY
FOR THE TOXIC PESTICIDES & PCB'S

DIVISION/BRANCH

SUPERFUND

SAMPLING DATE

6/28-29/99

LAB ARRIVAL DATE

7/1/99

DUE DATE

7/8/99

OU NUMBER

501

DATASET NUMBER

990086

STUDY

SAUGET AREA 1

PRIORITY

I

CONTRACTOR

IEPA

CHL LUG
NUMBER

SAMPLE DESCRIPTION

SEDIMENTS SOLID
S
POLYCHLORINATED
BIPHENYLS
MG/KG (DRY)SEDIMENTS SOLID
S
CHLORINATED PES
TICIDES
MG/KG (DRY)SEDIMENTS SOLID
S
OIL AND GREASE
MG/KG (DRY)

PE9211422

PE9211322

PE9214322

99 IEPA

S01

X101

X

S02

X102

X

S03

X103

X

D03

X103D

X

S04

X105

X

S05

X106

X

S06

X107

X

S07

X108

X

S08

X109

X

S09

X111

X

S10

X112

X

S11

X114

X

S12

X116

X

5-135014 7/1/99
WJL

5-135016

5-135018

5-135020

5-135022

5-135024

5-135026

5-135028

5-135030

5-135032

5-135034

5-135036

5-135038

EASTERN ZONE - OPTION YEAR 3

MONTHLY ACTIVITY REPORT
(LOADED)

CONTRACT #68D60002

REGION 5

MONTH ENDING 07/25/99
COVERING 06/21/99 THROUGH 07/18/99

ESAT MONTHLY FINANCIAL REPORT
SITE SPECIFIC INVOICE - REGION 5
MONTH ENDING 07/25/1999

CONTRACT #. 68D60002
INVOICE #. 06179632

CONTRACTOR NAME: LOCKHEED MARTIN
INVOICE PERIOD OF PERFORMANCE: 06/21/99 - 07/18/99

Work Assignment	Region SSID	Action Code	Operable Unit	Site Name/ Non-Site Description	Action Sequence #	IF MS Line Reference	Invoice # Legend	Current/ Adjustment Amount	Cumulative Charge	Direct Labor \$ Month	Direct ODC Month
1 PREVIOUS INVOICE SITE/CORRECTIONS											
SUBTOTAL								0.00			
2 SITES W/ SSID											
05-99-3-07	050W	LA	00	AIRCRAFT COMPONENTS			06179632	1,391.35			0.00
05-99-3-08	050W	LA	00	AIRCRAFT COMPONENTS			06179632	1,214.72			0.00
05-99-3-07	05F3	LA	00	ALBURN INCORPORATION			06179632	0.00			0.00
05-99-3-08	05F3	LA	00	ALBURN INCORPORATION			06179632	0.00			0.00
05-99-3-07	0596	LA	00	ARCANUM IRON & METAL			06179632	0.00			0.00
05-99-3-08	0596	LA	00	ARCANUM IRON & METAL			06179632	0.00			0.00
05-99-3-07	05WP	LA	00	BELVIDERE AREA STUDY			06179632	0.00			0.00
05-99-3-07	05F11	LA	00	BROOKS FOUNDRY			06179632	621.64			0.00
05-99-3-08	05F11	LA	00	BROOKS FOUNDRY			06179632	336.76			0.00
05-99-3-02	0592	LA	00	BYRON SALVAGE			06179632	1,326.90			0.00
05-99-3-04	0592	LA	00	BYRON SALVAGE			06179632	1,007.61			0.00
05-99-3-07	0592	LA	00	BYRON SALVAGE			06179632	647.11			0.00
05-99-3-08	0592	LA	00	BYRON SALVAGE			06179632	0.00			0.00
05-99-3-02	058K	LA	00	CAM-OR			06179632	0.00			0.00
05-99-3-07	058K	LA	00	CAM-OR			06179632	0.00			0.00
05-99-3-08	058K	LA	00	CAM-OR			06179632	0.00			0.00
05-99-3-07	058R	LA	00	CANNALTON IND.			06179632	0.00			0.00
05-99-3-07	05T2	LA	00	CITY OF STAUGHTON LANDFILL			06179632	0.00			0.00
05-99-3-07	B522	LA	00	CLARKE INCINERATOR			06179632	0.00			0.00
05-99-3-08	B522	LA	00	CLARKE INCINERATOR			06179632	0.00			0.00
05-99-3-08	A534	LA	00	CONNEAUT DRUM SITE			06179632	0.00			0.00
05-99-3-07	05P2	LA	00	CRAB ORCHARD/SANGAMON DUMP			06179632	0.00			0.00
05-99-3-08	05P2	LA	00	CRAB ORCHARD/SANGAMON DUMP			06179632	0.00			0.00
05-99-3-04	0586	LA	00	CROSS BROTHERS			06179632	1,543.30			0.00
05-99-3-07	0586	LA	00	CROSS BROTHERS			06179632	268.01			0.00
05-99-3-03	058E	LA	00	DEAD CREEK AREA G			06179632	2,709.53			0.00
05-99-3-04	058E	LA	00	DEAD CREEK AREA G			06179632	3,695.24			0.00
05-99-3-04	B584	LA	00	DIXON/JOHNSON WRECKING			06179632	0.00			0.00
05-99-3-07	B584	LA	00	DIXON/JOHNSON WRECKING			06179632	0.00			0.00
05-99-3-07	0530	LA	00	ENVIRO-CHEM CORP			06179632	0.00			0.00
05-99-3-08	0530	LA	00	ENVIRO-CHEM CORP			06179632	0.00			0.00
05-99-3-08	05C6	LA	00	FULTZ LANDFILL			06179632	0.00			0.00

ESAT MONTHLY FINANCIAL REPORT
MONTHLY ACTIVITY (LOADED) CONTRACT 68D60002
OPTION YEAR THREE REGION 5
MONTH ENDING: 07/25/99
COVERING PERIOD: 06/21/99 THROUGH 07/18/99

PAGE: B3

DATE: 21-JUL-99

PWO	SUB TASK TDF # DESCRIPTION	SITE	HOURS MONTH	HOURS ITD	LABOR MONTH	LABOR ITD	TRAVEL MONTH	TRAVEL ITD	ODC MONTH	ODC ITD	TOTAL MONTH	TOTAL ITD
WORK ASSIGNMENT: 05-99-3-03												
ESE51087	102 3114 NORTH BRANCH OF CHIC M5256		253.5	406.7							8,988.98	14,851.14
ESE51091	102 3115 PESTICIDE/PCB ANALYS		4.5	52.0							248.07	1,841.63
ESE51105	103 3116 DEAD CREEK AREA G 058E		74.0	74.0							2,709.53	2,709.53
TOTAL WORK ASSIGNMENT: 05-99 3-03			332.0	1,328.7							\$ 11,946.58	\$ 48,463.47

1
21-JUL-99

R5SITW3JAYS

UNLOADED REGION 5 SITE REPORT AUDIT DETAIL WORKSHEET
OPTION YEAR THREE
FOR THE MONTH OF 07/99

WBS	WA	Site Name	Site Id	Labor Month \$'s	Travel Month \$'s	ODC Month \$'s	Total Month \$'s
			050W	\$ 262.36			\$ 262.36
			050W	\$ 117.09			\$ 117.09
			050W	\$ 171.09			\$ 171.09
			050W	\$ 714.18			\$ 714.18
			050W	\$ 292.29			\$ 292.29
				\$ 1,557.01			\$ 1,557.01
			05FH	\$ 371.40			\$ 371.40
			05FH	\$ 201.20			\$ 201.20
				\$ 572.60			\$ 572.60
			0592	\$ 573.23			\$ 573.23
			0592	\$ 219.53			\$ 219.53
			0592	\$ 602.00			\$ 602.00
			0592	\$ 386.62			\$ 386.62
				\$ 1,781.38			\$ 1,781.38
			0586	\$ 922.05			\$ 922.05
			0586	\$ 160.12			\$ 160.12
				\$ 1,082.17			\$ 1,082.17
ESE51105	05-99-3-03	DEAD CREEK AREA G	058E	\$ 1,618.82			\$ 1,618.82
ESE51106	05-99-3-04	DEAD CREEK AREA G	058E	\$ 2,207.74			\$ 2,207.74
				\$ 3,826.56			\$ 3,826.56
			B567	\$ 294.65			\$ 294.65

Lockheed Martin Services Group
Environmental Services & Technologies Region 5
536 South Clark Street #1050 Chicago, IL 60605
Telephone 312-353-8302 Facsimile 312-353-8307

LOCKHEED MARTIN

7TH FLOOR
RECORDS CENTER
DUPLICATE

ENVIRONMENTAL SERVICES ASSISTANCE TEAM
U.S. EPA REGION V

EPA Contract 68-D60002

Monthly PROGRESS REPORT

21 June through 18 July 1999

Submitted to:

Jay Thakkar
ESAT Regional Project Officer
U.S. EPA Region V
Superfund Division Contract Management Section
77 West Jackson Blvd.
Chicago, IL 60604

Submitted by:

Dennis Miller, Ph.D.
ESAT Team Manager
Lockheed Martin Services Group
536 South Clark Street
Chicago, IL 60605

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 - 1.1.2 VOC Analysis (WA 05-99-3-02)
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 - 3.1 Data Coordination (WA 05-99-3-10)

TASK AREA IV

- 4. QA/QC Support
 - 4.1 QA Audit
 - 4.2 SAS/SOP Review

TASK AREA V

- 5. Training

TASK AREA VI

- 6. ESAT Team Management and Administration (WA 05-99-3-11)

INTRODUCTION

This Monthly Progress Report summarizes ESAT Region V activity for the period 21 June through 18 July 1999.

I. TDF Project Work

ESAT received sixty-seven new technical direction forms (TDFs) during this reporting period. Progress on individual WAs or TDFs is described in Section III.

<u>Work Assignment</u>	<u># TDFs</u>
05-99-3-01	1
05-99-3-02	5
05-99-3-03	1
05-99-3-04	7
05-99-3-05	2
05-99-3-07	24
05-99-3-08	<u>27</u>
	67

II. Health and Safety

No accidents or incidents were reported this month.

III. Section Reports

TASK AREA I

1. Laboratory Analysis

1.1 Organic Analysis

SVOC Analysis (WA 05-99-3-01):

The SVOC analytical data package for the one soil and two water Quarterly Blind (QB3-FY99) Performance Evaluation (PE) samples was submitted on 6/23/99 (TDF 5101-105).

A residential well water Performance Evaluation (PE) sample was received for low-level SVOC analysis on July 13, 1999 (TDF 5101-108); Liquid/liquid extractions for the PE sample will be initiated next week.

VOC Analysis (WA 05-99-3-02):

A manual integration SOP is currently being developed for the ESAT organic analysts to utilize in all analytical work performed at the CRL. Additionally, the ESAT QA/QC checklists are being updated to include a manual integrations audit check.

The VOC SW846 Method 5035 analytical data package for the seven Kenny Morrison (IL) soil samples was submitted ahead of schedule on 6/24/99 (TDF 5102-134).

Twenty-six Byron Salvage (case 90084) monitoring well water samples were received on 6/29/99 for low level 1,4-dioxane and tetrahydrofuran (THF) analysis (TDF 5102-135). VOC GC/MS analysis was completed for the 26 Byron Salvage (case 90084) monitoring well water samples; the analytical data package was submitted one week ahead of schedule on July 8, 1999.

Seven Byron Salvage (case 90085) monitoring well water samples were received on 7/1/99 for low level 1,4-dioxane and THF analysis (TDF 5102-36). VOC GC/MS analysis was completed for the seven Byron Salvage (case 90085) monitoring well water samples; the analytical data package was submitted one week ahead of schedule on July 8, 1999.

A residential well water Performance Evaluation (PE) sample was received for VOC analysis on July 13, 1999 (TDF 5102-137). GC/MS analyses were completed for the PE sample; the VOC analytical data package will be submitted next week.

Twenty-one John Deere Plow (IL) soil samples were received for low level VOC analysis using SW846 Method 5035 on July 13, 99 (TDF 5102-138); the Encore soil plugs were preserved with sodium bisulfate solution. Low level GC/MS analyses were initiated for the 21 soil samples.

Twenty-three Detroit School Board (MI) methanol preserved soil samples were received for medium level VOC analysis using SW846 Method 5035 on July 13, 1999 (TDF 5102-139); medium level GC/MS analysis will be initiated for the 23 soil samples next week.

Pesticide/PCB Analysis (WA 05-99-3-03):

Florisil cleanups were completed for the 69 soil North Branch of the Chicago River sample extracts (TDF 5103-114). The sample extracts were concentrated and GC/FID screen analyses were completed for the first 20 extracts. Initial results from the screening analyses indicated that the extracts appeared to contain high levels of sulfur; therefore, mercury cleanups were completed for 69 soil sample extracts. Initial GC/ECD pesticide/PCB analyses were completed for 20 mercury cleaned sample extracts; analysis results indicate that the sample extracts contain high levels of potentially interfering hydrocarbons. GC/ECD analyses were completed for the 69 North Branch of the Chicago River soil sample extracts; data processing and analytical data package preparation is in progress for the soil samples. The analytical data will be divided into three packages. ESAT anticipates that the three packages

will be submitted next week.

The pesticide/PCB analytical data packages for the two (one soil and one water) QB3-FY99 PE samples and the June reswell PE sample were submitted on 7/1/99 (TDF 5103-115).

Thirteen Sauget Area I sediment samples were received on Friday, 7/2/99, for a fast turnaround (seven day) PCB analysis (TDF 5103-116). Soxhlet extractions, GPC cleanups and GC/ECD analyses were completed for the 13 sediment samples. The pesticides/PCB analytical data package for the Sauget Area I sediment samples was submitted on July 15, 1999.

A residential well water Performance Evaluation (PE) sample was received for pesticides/PCB analysis on July 13, 1999 (TDF 5103-117); Liquid/liquid extractions for the PE sample will be initiated next week.

The status of Organic Analysis is summarized in Table 2.

1.2 Inorganic Analysis (Work Assignment 05-99-3-04):

The ICP, CN, GFAA and Hg data packages for the one soil quarterly blind sample (TDF 5104-238) were submitted on June 23, June 24, July 1 and July 8, 1999 respectively; all analytical work for this task is complete.

ICP, GFAA and Hg data packages for the nine Cross Brothers water samples (TDF 5104-239) were submitted on June 24, July 1 and July 12, 1999 respectively; all analytical work for this task is complete.

ICP and CN data packages for the three Lahr Dump water samples (TDF 5104-240) were submitted on June 24, 1999. The GFAA and Hg data packages for the Lahr Dump were submitted on July 12, 1999; all analytical work for this task is complete.

ICP and CN data packages for the reswell performance evaluation sample (TDF 5104-241) were submitted on June 24, 1999. The GFAA data package for the reswell performance evaluation sample was submitted on July 12, 1999; all analytical work for this task is complete.

ICP and GFAA data packages for the Former Sears Retail Store soil sample (TDF 5104-242) were submitted on June 23, 1999. The Hg data package for the Former Sears Retail Store soil sample was submitted on June 29, 1999; all analytical work for this task is complete.

GFAA and Hg data packages for the thirteen Tar Lake soil samples (TDF 5104-243) were submitted on July 12, 1999. The ICP data package for the Tar lake soil samples was submitted on June 29, 1999 and the CN data package was submitted on June 30, 1999; all analytical work for this task is complete.

Four soil samples from East Moline (TDF 5104-244) were assigned for the analysis of Mn by ICP and pH. The ICP data package for the East Moline soil samples was submitted ahead of schedule on June 29, 1999 and the pH data package was submitted on schedule on July 9, 1999; all analytical work for this task is complete.

Thirteen soil samples from Sauget Area I (TDF 5104-245) were assigned for a fast turnaround ICP, GFAA, Hg and CN analyses. The ICP, Hg and CN analytical data packages were submitted on schedule on July 8, 1999. The GFAA analytical data package was submitted two days late due to unforeseen problems; all analytical work for this task is complete.

Four water samples from Byron Salvage (TDF 5104-246) were assigned for ICP, GFAA, Hg and CN analysis. The CN analytical data package was submitted ahead of schedule on July 14, 1999. The ICP analyses were completed and the deliverables package is undergoing an internal audit; GFAA and Hg analyses are in progress.

The July residential well performance evaluation sample (TDF 5104-247) was assigned for ICP, GFAA and CN analysis. The CN analytical data package was submitted to CRL ahead of schedule on July 14, 1999. The ICP analyses were completed and the deliverable's package is undergoing an internal audit; GFAA analyses are in progress.

Six water samples from the Sam Winer site (TDF 5104-248) were assigned for ICP, GFAA, Hg and CN analysis. The CN analyses were completed and the deliverable's package is being assembled; the ICP, GFAA and Hg analyses are in progress.

Four water samples from Sportsman Park (TDF 5104-249) were assigned for ICP, GFAA, Hg and CN analysis. The CN analyses were completed and the deliverable's package is being assembled; ICP, GFAA and Hg analyses are in progress.

Five water samples from the Thomas Sherman site (TDF 5104-250) were assigned for ICP, GFAA, Hg and CN analysis. The samples were distilled and analyzed for CN. Due to poor matrix spike recovery, it will be necessary to redistill and reanalyze the samples for CN. The ICP, GFAA and Hg analyses are in progress.

The status of Inorganic Analysis is summarized in Table 3.1.2

On July 16, 1999 at 2 PM, a meeting was held at the CRL conference room between John Morris, Francis Awanya, George Schupp, Dennis Wesolowski of the CRL and John Ganz and Ziyad Rajabi of ESAT. During the meeting the following topics were discussed:

1. In an attempt to improve data turnaround, the CRL will modify the review process of ESAT data. Under the new plan, ESAT data will only be reviewed on the CRL end by the WAMs only.
2. QA/QC problems that were noted in the recent inorganic packages:

- a. Hg calibration curve criteria were missed. The system printed R not R2 for the Tar lake data.
- b. PH not being checked at time of sample receiving (not an ESAT issue).
- c. Organic Hg standards is always biased high.
- d. Maintenance log in AA and standards log not being maintained.
- e. Do we need complete calibration data in every package? Or do mention in the narratives which package contain the complete data.

1.3 Biology and Toxicity Testing (WA 05-99-3-06):

The ESAT Biologist performed the daily maintenance of the culture units to sustain the supplies of earthworms (Eisenia foetida). One seed germination and one root elongation reference toxicity tests were performed during this evaluation period.

A new earthworm starter culture of approximately 400 earthworms was received on June 28, 1999. Toxicity testing will probably resume in late September or early October.

Control Charts are in-place for both the Seed Germination and Root Elongation Reference Toxicity tests.

1.4 Field Analytical Support Program (WA 05-99-3-05):

A replacement eye wash kit was received for the FASP mobile laboratory; the expired eyewash kit was given to the CRL H&S Officer for disposal.

An ESAT organic analytical chemist is scheduled to provide technical support to operate the Agency's Geoprobe to collect soil and/or water samples at the Michigan Chrome & Chemical Co. site (TDF 5105-070) and four Brownfields sites in Wayne County, Michigan (TDF 5105-071). An ESAT organic analytical chemist assisted the WAM in readying the Agency's Geoprobe equipments which are scheduled to collect soil and/or water samples at the Brownfields sites in Wayne County, Michigan.

The health and safety plans for the five Wayne County, Michigan Geoprobe sites were received and reviewed by the appropriate ESAT personnel. Radios with radium coated luminescent dials may have been manufactured at the Detroit School Board Brownfields site in the late 1930s. The EPA conducted a radiation survey at the Detroit School Board site. An ESAT FASP organic analytical chemist provided technical support at the Wayne County Brownfield sites in the operation of an Agency drill rig. Geoprobe work was done at two Brownfield sites. At the Detroit School Board site, 28 holes to a depth of 12 feet were generated. Five attempts of collecting groundwater samples were completed; however, none of the spot wells had sufficient volume to generate a water sample. At the Milton Hospital site, three borings were completed, one at eight feet, one to four feet and the third to 16 feet. The FASP chemist is scheduled to return to the Wayne County Brownfields sites on Monday and Tuesday, July 19 and 20, 1999.

The Michigan Chrome & Chemical Co. health and safety plan was received and was reviewed by appropriate ESAT personnel. The ESAT FASP chemist will provide technical support at the Michigan Chrome Removal site starting Wednesday July 21, 1999 (TDF 5105-070).

1.5 Laboratory Support Services (WA 05-99-3-09):

Glassware from the biology and inorganic/organic chemistry labs was efficiently and effectively collected, washed, rinsed, dried and returned to the labs in a timely manner. CRL labs 1019, 1024, 1025, 1030, 1031, 1032, 1036, 1039 and 1042 were proficiently cleaned.

1.6 PM_{2.5} FRM EP Field Support Services (WA 05-99-3-14)

During the period of June 21 thru July 18, 1999, fifteen (15) sites were audited successfully in accordance with the third and fourth quarters FY 1999 audit schedules. Those sites audited are:

Indiana State

Federal Building/IDEM (AIRS 180891016)

Ivanhoe School/IDEM (AIRS 180891003)

Minnesota State

Ramsey/MPCA (AIRS 271230047)

Ramsey/MPCA (AIRS 271230868)

Ohio State

Lake County/Lake County (AIRS 390851001)

Portsmouth/Portsmouth Health Dept (AIRS 391450013)

(one time each for 3rd Quarter and 4th Quarter, respectively)

Hamilton County/DESAQP (AIRS 390610014)

Hamilton County/DESAQP (AIRS 390617001)

Akron/Akron (AIRS 391530017)

Akron/Akron (AIRS 391530023)

Toledo/Toledo (AIRS 390950024)

Collins Park/Toledo (AIRS 390950008)

Dayton/Dayton RAPCA (AIRS 391130014)

Dayton/Dayton RAPCA (AIRS 391130031)

All collected PM_{2.5} samples were shipped to Region 10 Laboratory without any problems. In addition to the sampling activities performed in this time period; ESAT field scientists conducted quarterly checks and maintenance for their samplers. All performance checks were satisfactory; copies of photographs taken at PM_{2.5} sites were organized and were distributed to the WAM and the Lockheed Martin ESAT health and safety officer. An Anderson PM_{2.5} sampler was received from Anderson. A leased vehicle was picked up from a local dealership and a rented minivan was returned.

On Monday, 6/21/99, two ESAT Field Scientists traveled to Lake County, OH and Portsmouth, OH, respectively. On Tuesday, 6/22/99, the Field Scientists set up their audit samplers at Lake County and Portsmouth sites, respectively; the samplers were set to run from midnight to midnight on Wednesday, 6/23/99. On Thursday, 6/24/99, the Field Scientists retrieved the audit samples and downloaded the sampling data from Lake County and Portsmouth sites without any problem; all of the audit samples and sampling data were shipped to the Region 10 Laboratory. The Field Scientist in Portsmouth then traveled to Cincinnati, OH. On Friday, 6/25/99, the Field Scientist set up the audit samplers at two sites located in Hamilton County, OH; the samplers were set up to take samples from midnight to midnight on Saturday, 6/26/99. On Thursday, five (5) coolers containing 22 filters were received from the Region 10 Laboratory. On Friday, 85 sheets of Field Data Sheet and revised SOP for the PM_{2.5} FRM Performance Evaluation Program Section PEPF-5.01 (Assembly/Disassembly) were received from RTP. Also, six unused new filters were shipped to Region 9 per the request of Mr. Kevin Woodruff, the Field Scientist in Region 9.

On Monday, 6/28/99, an ESAT Field Scientist (FS) traveled to Cincinnati, Ohio to retrieve air particulate filters and download sampler data at the Carthage Fire Station (AIRS 390610014) and Health Center (AIRS 390617001) PM_{2.5} sites; the sampler data and air filters were shipped to the Region 10 Laboratory; the ESAT FS returned to Chicago on Tuesday. On Monday, an ESAT FS brought three PM_{2.5} samplers to the CRL and performed quarterly checks and maintenance for the samplers; all performance checks were satisfactory; the sampler cases were also cleaned. On Wednesday, an ESAT FS conducted quarterly checks and maintenance for three other PM_{2.5} samplers; all performance checks were satisfactory. The June PM_{2.5} FRM Field Support Services monthly report was written and was submitted to the WAM on Thursday, 7/1/99. Copies of photographs taken at PM_{2.5} sites were organized and were distributed to the WAM and the Lockheed Martin ESAT health and safety officer; the original PM_{2.5} site photographs are being kept in the WA files. Additional PM_{2.5} site photographs will be sent to the WAM in the future. On Wednesday, 20 new PM_{2.5} filters were received from the Region 10 Laboratory. On Friday, 14 ice packs were received from the Region 10 Laboratory and twenty new ice packs were purchased. New SOP for the PM 2.5 auditing manual section 5.01 was received. This section regarding assembly and disassembly of the audit sampler replaced the discarded old section that was discarded. The main change in the section was the instruction that the samplers are to now run from midnight to midnight local standard time instead of midnight to midnight local time. This SOP was reviewed by the ESAT FS's and included in the manual. The change was implemented at the beginning of the quarter which was 7/1/99 and will be observed in for all future sites.

On Tuesday, 7/6/99, an ESAT Field Scientist (FS) traveled to Akron, Ohio while the other FS traveled to St. Paul Minnesota. On Wednesday, 6/7/99, the FS set up a sampler at each of the four sites with one problem at the Five Points site in Akron. While the FS was setting up sampler numbers 196 and 179 for the monthly collocation, sampler number 196 failed its external leak check. An internal leak check was performed that also failed. Many other corrective actions were performed, but the leak persisted. In respect for the state representative's time, the collocation was canceled and sampler number 196 was packed up and returned to the vehicle. All of the samplers were set up to run at midnight on Thursday

local standard time. On Thursday the FS continued investigating the leak in the sampler, but the leak continued. On Friday, 7/9/99, the filters were retrieved from all four audit sites and all of the data was collected and brought back to the field office for shipment to the Region 10 laboratory on Monday 7/12/99. Also on Friday, two large boxes were received from Andersen, it is believed that the boxes contain another audit sampler, but the boxes were stored in the laboratory and not opened due to the time constraints on the FS's. The boxes will be inventoried at the earliest availability by an ESAT FS.

On Monday, 7/12/99, both ESAT Field Scientists (FS) spent time in the field office doing preparatory tasks and then one FS traveled to Toledo, Ohio. On Tuesday, 7/13/99, one FS traveled to Dayton and set up samplers at each of the sites while the other FS set up a sampler at each of the Toledo sites. On Wednesday, 7/14/99, audits were conducted at the four sites. Also on Wednesday, Gary Mongeau, from Lockheed Martin Safety Office contacted an ESAT FS. He notified the FS that he will be in Chicago on August 19, 1999 and would like to give a safety seminar on falls and fall protection equipment. Since Xiang Zhu has an audit scheduled for that date, the training will be given to the other two FS's and then this information will be passed along to him as soon afterward as possible. Also on Wednesday, the sampler marked 196, which was leaking last week, was fixed and returned to the active sampler group. On Thursday 7/15/99, one FS retrieved the filter and data from the two Toledo sites without any problems noted, shipped the samples to the Region 10 laboratory and traveled back to the office. The other FS retrieved the filter and data and also shipped the samples out to the Region 10 laboratory. This FS then drove out to Portsmouth, Ohio and set up an audit sampler to run from midnight to midnight on Saturday at the New Boston Coke site. At this site the monthly collocation was performed. On Friday, 7/16/99, the FS working in Portsmouth returned to the ESAT Chicago office while the other FS traveled to Gary, Indiana to set up his two samplers at the Ivanhoe School and at the Gary Federal Building. These sites were to be audited from midnight to midnight on Saturday. At this site the other monthly collocation was performed. The samples from New Boston Coke and the two sites in Indiana were to be collected on Monday, July 19, 1999.

During the week of July 18, 1999; ESAT received 20 filters from the Region 10 Laboratory along with four ice packs. ESAT was notified that a leased vehicle, for the FS use in the field, was in and ready for pick up from a local dealership.

TASK AREA II

2. Data Review

2.1 Organic Data Review (Work Assignment 05-99-3-07)

	# Cases Assigned	# Cases Carried over	# Cases Completed	# Cases In Progress
RAS	32	8	38	2

SAS	1	1	2	0
PRP	0	0	0	0
DXN	2	0	2	0
Total	35	9	42	2
No. Of Samples	470	121	572	19
EST. Hrs	424.5	133.0	530.0	27.5
LOE Used	477.5	80.5	620.5	16.5

Twenty-eight RAS organic data cases (370 samples) were received for fast turnaround CADRE review; four Low Conc. RAS organic data cases (52 samples); one (1) SAS organic data case (16 samples) and two (2) dioxin cases (32 sample) were received for review and validation. Forty-two data review narratives (572 samples) were submitted. Two organic data cases (19 samples) will be carried over for completion of data review and validation.

The status of Organic Data Review is summarized in Table 4.

2.2 Inorganic Data Review (WA 05-99-3-08)

	# Cases Assigned	# Cases Carried over	# Cases Completed	# Cases In Progress
RAS	37	3	27	13
SAS	2	1	3	0
PRP	0	0	0	0
Total	39	4	30	13
No. Of Samples	536	59	411	184
EST. Hrs	434.0	45.2	328.2	151.0
LOE Used	283.0	36.5	310.0	34.5

Thirty-six inorganic data cases (488 samples) were received for fast-turnaround CADRE review and validation. Three inorganic data cases (48 samples) were received for manual review and validation. Three inorganic data cases (46 samples) were carried over for fast-turnaround CADRE review and validation. One inorganic data case (13 samples) was carried over for manual review and validation. Fast-turnaround CADRE review narratives were submitted for 26 data cases (350 samples). Manual data review narratives were submitted for four data cases (61 samples). Thirteen data cases (184 samples) are in progress for fast-turnaround CADRE review and validation.

Also carried over under this task area was the review of data relating to the N.W. Mauthe site (TDF 5208-567). The task was completed ahead of schedule on June 24, 1999.

The status of Inorganic Data Review is summarized in Table 5.

2.3 PE (QB) Sample Evaluation

There was no PE (QB) sample data package evaluation conducted during the month.

TASK AREA III

3. Logistical and Administrative Support

3.1 Data Coordination (Work Assignment 05-99-3-10):

Thirty-nine inorganic and 65 organic data cases were submitted to the LSS; forty-seven data packages were copied and mailed. Effort was directed toward maintaining files in the data custody room.

TASK AREA IV

4. QA/QC Support

4.1 QA Audits

Detailed raw data audits were performed by the analyst, task/group leader, QA/QC reviewer and/or ETM for the Quarterly Blind (SVOC, pesticide/PCB, ICP, CN, mercury and AA metals), Kenny Morrison (VOC SW846 Method 5035), Cross Brothers (ICP, AA metals and Hg), Lahr Dump (ICP, CN, GFAA, Hg and AA metals), reswell performance evaluation sample (ICP and CN), Former Sears Retail Store (ICP, Hg and GFAA), East Moline (manganese ICP and pH), June reswell PE (pesticide/PCB and AA metals), Tar Lake (GFAA and Hg, cyanide and ICP metals), Byron Salvage (VOC cases 990084 and 990085, CN), Sauget Area I sediment samples (pesticides/PCBs, GFAA ICP, Hg and CN), soil quarterly blind (QB3 FY99, Hg), and the reswell performance evaluation sample (GFAA and CN) analytical data packages.

Manual and/or CADRE review narratives for TDFs for WA 05-99-3-07 and WA 05-99-3-08 were thoroughly audited by a peer data reviewer and/or the ESAT task leader.

4.2 SAS/SOP Review

SOP preparation and review activities are discussed in section 1.1 (Organic Analysis).

TASK AREA V

5.0 Training

There were no training activities this month.

TASK AREA VI

6. ESAT Team Management and Administration (WA 05-99-3-11):

Table 1: WA LOE Utilization as of 7/18/99

WA	Current LOE Hours	Work Plan LOE Hours	% LOE Used
05-99-3-01	804.8	2690	29.9
05-99-3-02	751.5	2690	27.9
05-99-3-03	1328.7	1793	74.1
05-99-3-04	2883.1	5379	53.6
05-99-3-05	1573.1	3586	43.9
05-99-3-06	332.0	897	37.0
05-99-3-07	2275.9	5379	42.3
05-99-3-08	1472.5	3586	41.1
05-99-3-09	935.0	1972	47.4
05-99-3-10	739.0	1972	37.5
05-99-3-11	1134.0	2330	48.7
05-99-3-12	0.0	0	NA
05-99-3-13	0.0	0	NA
05-99-3-14	2010.0	3586	56.1
Total	16239.6	35860	45.3%

As of 7/18/99, 46.8% of the option year 3 work days have occurred. For WAs 05-99-3-03, 05-99-3-04, 05-99-3-09, 05-99-3-11 and 05-99-3-14, actual LOE usage is currently greater than projected LOE usage. For WA 05-99-3-03 (Pesticide/PCB Analysis), actual LOE usage is about 158% of projected LOE usage; 75% of the WA authorized LOE hours has been expended. For WA 05-99-3-14 (PM_{2.5} FRM PEP Field Support Service), an additional 700-800 LOE hours will probably be required for option year 3. For WAs 05-99-3-01, 05-99-3-02, 05-99-3-05, 05-99-3-06, 05-99-3-07, 05-99-3-08 and 05-99-3-10, actual LOE usage is currently less than projected LOE usage.

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
Semivolatile Analysis 05-99-3-01								2690.0	828.6	31%	
1095	1001	Instrument Maintenance-Organic	—	—	02/01	07/30		350.0	150.0	43%	In Progress
0000	1003	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
1096	1023	Gomey Property	40	Soil/Water	02/01	02/20	02/19	60.0	116.0	193%	Complete
1097	1036	March PE	1	Water	03/01	03/15	03/24	40.0	22.5	56%	Complete
1098	1037	East Moline BF	5	Soil/Water	03/01	04/15	03/18-04/05	60.0	52.8	88%	Complete
1099	1045	MDL & P&A Studies	—	—	03/08	04/02	04/02	80.0	79.5	99%	Complete
1100	1050	Midwest Rubber	3	Soil	03/29	04/16	04/09	30.0	45.0	150%	Complete
0000	4006	SVOC SOP Review	—	—	04/01	01/31		80.0	40.5	51%	In Progress
1101	1056	April PE	1	Water	04/12	04/22	04/23	12.0	21.5	179%	Complete
1102	1063	Former Sears Retail Store	29/10	Soil/Water	04/28	05/20	05/14	120.0	123.5	103%	Complete
1103	1069	May PE	1	Water	05/05	05/22	06/03	16.0	8.0	50%	Complete
1104	1076	1737 Jefferson Trenton	28/11	Soil/Water	05/07	05/27	06/10	180.0	94.0	52%	Complete
1105	1089	QB3-FY99	3	Water/Soil	06/07	06/21	06/23	20.0	23.2	116%	Complete
1106	1012	Pollution Prevention Training	—	—	06/09	06/09	06/09	20.0	12.3	62%	Complete
1107	1092	June PE	1	Water	06/14	06/24	06/18	20.0	12.5	63%	Complete
0000	4007	Organic Analysis QA	—	—	06/22	06/29		24.0	25.8	108%	In Progress
1108	1109	July PE	1	Water	07/13	07/27		16.0	0.0	0%	In Progress
Volatile Analysis 05-99-3-02								2690.0	717.2	27%	
0000	1004	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
2116	1024	Gomey Property	40	Soil/Water	02/01	02/26	02/10	40.0	47.5	119%	Complete
2117	1029	QB1-FY99	2	Water	02/01	02/12	02/12	6.0	7.0	117%	Complete
2118	1030	January PE	1	Water	02/01	02/12	02/12	6.0	7.5	125%	Complete
2119	1038	East Moline BF	2	Water	03/01	03/16	03/08	16.0	22.0	138%	Complete
2120	1039	March PE	1	Water	03/02	03/16	03/11	12.0	11.0	92%	Complete
2121	1051	Midwest Rubber	3	Soil	03/29	04/12	04/08	15.0	14.0	93%	Complete
2122	1053	Old Mill	23	Water	04/01	04/21	04/09	48.0	26.5	55%	Complete
2123	1054	Autosampler Archon Analysis	—	—	04/07	04/14	04/16	40.0	48.5	121%	Complete
2124	1057	April PE	1	Water	04/12	04/26	04/13	10.0	9.5	95%	Complete
2125	1064	Former Sears Retail Store	8	Water	04/28	05/12	05/04	24.0	21.5	90%	Complete
2126	1067	403 W. 138th Street	8	Soil	04/30	05/13	05/26	24.0	103.0	429%	Complete
2127	1070	CAM-OR	61	Water	05/06	05/20	05/20	120.0	65.0	54%	Complete
2128	1077	1737 Jefferson Trenton	28/17	Soil/Water	05/07	05/26	05/27	90.0	85.5	95%	Complete
2129	1081	W. G. Krummitch	16	Soil	05/13	05/27	6/2-6/9	15.0	64.0	427%	Complete
2130	1083	Weston Lion Landfill	14	Soil	05/18	05/31	6/2-6/8	30.0	70.5	235%	Complete
2131	1085	Interlake Properties	26	Soil	04/30	05/27	06/01	56.0	29.5	53%	Complete
2132	1090	QB3-FY99	2	Water	06/09	06/23	06/14	12.0	10.0	83%	Complete
2133	1093	May & June PE	2	Water	06/11	06/25	06/17	12.0	12.2	102%	Complete
2134	1098	Kenny Morrison	7	Water	06/17	07/01	06/24	24.0	24.0	100%	Complete
2135	1101	Byron Salvage	26	Water	06/29	07/13	07/08	50.0	4.0	8%	Complete
2136	1104	Byron Salvage	7	Water	07/01	07/14	07/08	15.0	4.0	27%	Complete
2137	1111	July PE	1	Water	07/13	07/27		10.0	5.5	55%	In progress
2138	1113	John Deere Plow	21	Water	07/13	07/27		60.0	23.5	39%	In progress
2139	1116	Detroit School Board	23	Soil-M	07/16	07/30		60.0	0.0	0%	In progress
Pesticides/PCB 05-99-3-03								1793.0	1245.7	69%	
0000	1005	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress
3104	1025	Gomey Property	100	Soil/Water	02/01	02/25	03/18	60.0	206.5	344%	Complete
3105	1026	QB1-FY99/PE	4	Water/Soil	02/01	02/25	02/18	16.0	42.5	266%	Complete
3106	1032	GC/ECD 8 Maint/Dev.	—	—	02/09	02/26	06/15	40.0	86.0	215%	Complete
3107	1043	March PE	1	Water	03/05	03/26	03/25	16.0	25.0	156%	Complete
3108	1052	Midwest Rubber	3	Soil	03/30	04/13	04/22	30.0	60.0	200%	Complete
3109	1058	April PE	1	Water	04/12	04/30	04/22	12.0	15.0	125%	Complete
3110	1062	Precision and Accuracy	—	—	04/26	05/21	06/15	40.0	163.5	409%	Complete
3111	1065	Former Sears Retail Store	8/2	Soil/Water	04/28	05/12	05/20	40.0	36.0	90%	Complete
3112	1074	May PE	1	Water	05/06	05/24	06/02	12.0	3.5	29%	Complete
3113	1078	1737 Jefferson Trenton	28/11	Soil/Water	05/07	06/02	6/8-05/28	180.0	166.5	93%	Complete
3114	1087	North Branch of Chicago River	69	Soil	06/02	07/15		400.0	315.7	79%	In Progress
3115	1091	QB3-FY99/June PE	3	Water/Soil	06/09	06/23	06/23-07/01	20.0	50.0	250%	Complete
3116	1105	Dead Creek Area G	13	Soil	07/02	07/08	07/15	78.0	74.0	95%	Complete

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
3117	1112	July PE	1	Water	07/12	07/27		16.0	0.0	0%	In progress
Field Analytical Support 05-99-3-05								3586.0	1572.6	44%	
0000	1006	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress
0000	1014	FASP Instrument Maint.	—	—	02/01	01/31		500.0	58.0	12%	In progress
5060	1027	East Moline Brownfields	175	Soil/Water	02/01	03/19	05/14	800.0	781.2	98%	Complete
5061	1028	East Moline Brownfields	GP	GP	02/16	02/26	02/26	90.0	88.5	98%	Complete
5063	1031	Gorney Property	40	Soil/Water	02/01	02/22	02/26	160.0	200.5	125%	Complete
5064	5001	Geoprobe Training	—	—	02/10	02/10	02/10	8.0	8.0	100%	Complete
0000	4001	Review & Revise SOP	—	—	03/01	04/30		120.0	123.0	103%	In progress
5065	5002	Field H&S Training	—	—	03/02	06/02	05/21	56.0	59.0	105%	Complete
5066	1044	East Moline Brownfields	GP	GP	03/08	03/10	03/09	30.0	21.0	70%	Complete
5067	1048	Altgeld Gardens	4	Soil	03/24	04/07	04/01	60.0	135.9	227%	Complete
5068	1060	Vandalia, IL BF	GP	GP	04/19	04/23	04/22	40.0	41.0	103%	Complete
5069	1079	Michigan Chrome & Chem.	GP	GP	06/14	06/18	06/04	40.0	0.0	0%	Canceled
5070	1102	Michigan Chrome & Chem.	GP	GP	07/21	07/23		24.0	0.0	0%	In progress
5071	1103	Trenton Brownfield	GP	GP	07/12	07/20		56.0	55.0	98%	In progress

Table 3. Summary of Inorganic Analysis. Month of 07/99.

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
Work Assignment No. 05-99-3-04										
5104-207 51-016	GFAA Development		GFAA	02/02	1/31/00		500.0		BY	Assigned
5104-208 51-017	JY 138 ICP Development		ICP	02/02	1/31/00		500.0	168.0	RD	In Progress
5104-209 51-018	XRF Development		XRF	02/02	1/31/00		400.0	2.0	JG	In Progress
5104-210 51-019	Hot Block Digestion Evaluation		ICP GFAA	02/02	1/31/00		300.0	6.2	RD BY	In Progress In Progress
5104-211 51-020	Gomey Property 990019	11W 23S	ICP GFAA Hg CN	02/02	02/26	02/05 02/08 01/28 02/25	100.0	50.0	RD BY JG ST	Completed Completed Completed Completed
5104-212 51-021	Gomey Property 990019	14W 3S	ICP GFAA Hg CN	02/02	02/26	02/25 03/09 02/25 02/25	120.0	275.0	RD BY/MM JG ST	Completed Completed Completed Completed
5104-213 51-022	January Reswell PE 990032	1 W	ICP GFAA CN	02/02	02/26	02/25 03/09 02/25	10.0	25.0	RD BY/MM ST	Completed Completed Completed
5104-214 51-033	East Moline Brownfields Site 990034	165 S	GFAA Hg	02/19	04/05	04/07 04/06	500.0	441.2	BY/MM JG	Completed Completed
5104-214 51-033	East Moline Brownfields Site 990034	52 W	ICP GFAA Hg	02/19	04/05	03/26 04/08 03/29			RD BY/MM JG	Completed Completed Completed
5104-214 51-033	East Moline Brownfields Site 990034	7 S	TOC	02/19	04/05	04/22			BY/MM	Completed
5104-215 51-034	Install PE Optima		ICP	02/24	1/31/00		200.0	17.0	RD	In Progress
5104-216 51-035	MacGillis & Gibbs Bell 990035	66 W	ICP -Cr GFAA - As	02/25	03/23	03/24 03/15	80.0	74.5	RD BY/MM	Completed Completed
5104-217 51-040	Gomey Property 990019	5 TCLP 5 SPLP	ICP GFAA Hg	03/03	04/02	04/05 04/09 04/09	150.0	92.8	RD MM JG	Completed Completed Completed
5104-218 51-041	March Reswell PE 990037	1 W	ICP GFAA CN	03/03	03/26	04/02 04/19 03/24	12.0	18.5	RD MM SC	Completed Completed Completed
5104-219 51-042	Cross Brothers 990038	9 W	ICP GFAA Hg	03/04	04/02	04/02 04/15 03/25	90.0	125.5	RD MM KS	Completed Completed Completed
5104-220 51-046	Dixon/Johnson Wrecking 990040	2 W	ICP GFAA Hg CN	03/15	04/06	03/30 04/15 04/09 03/24	20.0	41.2	RD MM JG SC	Completed Completed Completed Completed
5104-222 51-049	Midwest Rubber 990042	4 W	ICP GFAA Hg CN	03/26	04/23	04/22 04/19 04/09 04/27	40.0	150.7	RD MM JG SC	Completed Completed Completed Completed
5104-222 51-049	Midwest Rubber 990042	3 S	ICP GFAA Hg CN	03/26	04/23	04/22 05/05 04/30 04/27			RD MM JG SC	Completed Completed Completed Completed

Table 3. Summary of Inorganic Analysis. Month of 07/99.

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
Work Assignment No. 05-99-3-04										
5104-224 51-055	April Reswell PE 990047	1 W	ICP GFAA CN	04/08	04/30	04/27 05/18 04/29	12.0	13.3	RD MM/SC SC	Completed Completed Completed
5104-225 51-059	Greentown Dump 990048	8 W	ICP GFAA Hg CN	04/12	05/07	04/27 05/18 04/27 04/29	80.0	83.2	RD SC JG SC	Completed Completed Completed Completed
5104-226 51-061	Inspiration Mines 990049	5 W	ICP GFAA Hg CN	04/23	05/21	05/04 05/26 05/04 05/07	50.0	63.4	RD SC JG SC	Completed Completed Completed Completed
5104-227 51-066	Former Sears Retail Store 990050	10 W	ICP GFAA Hg	04/28	05/19	05/18 05/20 05/04	300.0	207.2	RD SC JG	Completed Completed Completed
5104-227 51-066	Former Sears Retail Store 990050	25 S	ICP GFAA Hg			05/18 05/20 05/12			RD SC JG	Completed Completed Completed
5104-228 51-068	403 W. 138th Street 990051	2 W	ICP GFAA Hg CN	04/29	05/20	05/24 05/28 05/21 05/17	30.0	29.7	RD MM JG ST	Completed Completed Completed Completed
		8 S	TS			05/17			ST	Completed
5104-229 51-071	May Reswell PE 990057	1 W	ICP GFAA CN	05/06	05/28	05/21 05/28 06/01	12.0	19.5	RD MM ST	Completed Completed Completed
5104-230 51-072	Powell Road Landfill 990059	4 W	ICP GFAA Hg	05/06	06/04	05/21 06/01 05/24	40.0	34.2	RD MM JG	Completed Completed Completed
5104-231 51-073	Peters Cartridge 990061	3 W	ICP GFAA Hg CN	05/06	05/26	05/21 05/28 05/24 05/17	36.0	40.2	RD MM JG ST	Completed Completed Completed Completed
5104-232 51-075	Trenton Brownfield Site 990062	11 W	ICP GFAA Hg	05/07	06/04	06/03 06/02 05/24	300.0	258.6	RD MM JG	Completed Completed Completed
5104-232 51-075	Trenton Brownfield Site 990062	28 S	ICP GFAA Hg	05/07	06/04	06/03 06/01 06/01			RD MM JG	Completed Completed Completed
5104-233 51-082	East Moline 990034	1 S	ICP - Mn	05/14	06/24	05/26	6.0	7.5	RD	Completed
5104-235 51-084	QB1 FY99 Response			05/24	06/04	06/08	8.0	4.0	RD/JG	Completed
5104-236 55-009	Questron Training		Hg	06/02	06/09	06/04	40.0	15.5	MM/JG	Completed
5104-237 55-010	Optima ICP Training		ICP	06/08	06/10	06/10	24.0	24.0	RD	Completed
5104-238 51-086	QB3 FY99 990072	1 W 1 S	ICP GFAA Hg CN	06/01	06/30	06/23 07/01 07/08 06/24	40.0	63.2	RD SC/MM MM/JG ST	Completed Completed Completed Completed
5104-239 51-088	Cross Brothers 990074	9 W	ICP GFAA Hg	06/07	07/06	06/24 07/01 07/12	90.0	68.0	RD MM/SC MM/JG	Completed Completed Completed

Table 3. Summary of Inorganic Analysis. Month of 07/99.

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
Work Assignment No. 05-99-3-04										
5104-240 51-094	Lahr Dump 990080	3 W	ICP GFAA Hg CN	06/11	07/09	06/24 07/12 07/12 06/24	40.0	35.1	RD MM/SC MM/JG SC	Completed Completed Completed Completed
5104-241 51-095	June Reswell PE 990079	1 W	ICP GFAA CN	06/11	06/30	06/24 07/12 06/24	20.0	17.5	RD MM/SC SC	Completed Completed Completed
5104-242 51-096	Former Sears Retail Store 990050	1 S	ICP GFAA Hg	06/14	06/22	06/23 06/23 06/29	30.0	96.3	RD SC MM/JG	Completed Completed Completed
5104-243 51-097	Tar Lake 990081	13 W	ICP GFAA Hg CN	06/17	07/01	06/29 07/12 07/12 06/30	150.0	78.0	RD MM/SC MM/JG SC	Completed Completed Completed Completed
5104-244 51-100	East Moline Brownfield Site 990083	4 S	Mn-ICP pH	06/24	07/09	06/29 07/09	25.0	38.0	RD ST	Completed Completed
5104-245 51-106	Sauget Area I - Dead Creek 990086	13 S	ICP GFAA Hg CN	07/02	07/08	07/08 07/13 07/08 07/08	130.0	80.1	RD SC MM ST	Completed Completed Completed Completed
5104-246 51-107	Byron Salvage 990087	4 W	ICP GFAA Hg CN	07/07	08/05	07/14	40.0	22.5	RD SC/MM MM ST	In Progress In Progress In Progress Completed
5104-247 51-108	July Reswell PE 990090	1 W	ICP GFAA CN	07/07	07/30	07/14	12.0	10.5	RD SC/MM ST	In Progress In Progress Completed
5104-248 51-110	Sam Winer 990091	6 W	ICP GFAA Hg CN	07/09	08/09		60.0	28.0	RD SC/MM MM SC	In Progress In Progress In Progress In Progress
5104-249 51-114	Sportsman Park 990093	4 W	ICP GFAA Hg CN	07/16	08/16		40.0	2.5	RD SC/MM MM SC	In Progress In Progress In Progress In Progress
5104-250 51-115	Thomas Sherman 990094	5 W	ICP GFAA Hg CN	07/16	07/28		50.0	10.5	RD SC/MM MM SC	In Progress In Progress In Progress In Progress

Summary of Organic Data Review

Work Assignment N 05-99-03-07

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TDF	PWO			Case	SAS	Data	Case	Num.	ESAT	TDF Dates			Labor Hours:		Comments
Number	Number	Site Name	ST	No.	No.	Set #	Type	Smpl	Assignee	Assgnd	Due	Cmplt'd	Est'd	Actual	
=====															
7762	2110	Hillsdale Coal Gasification	MI	26995	----	CADRE	EBQB3	20		06/04	06/14	06/22	22.0	19.5	Cmplt'd
7769	2122	Interlake Properties	IL	26961	----	CADRE	ECRM8	5		06/10	06/17	06/21	7.0	14.0	Cmplt'd
7771	2129	Interlake Properties	IL	26961	----	CADRE	ECCM3	20		06/14	06/21	06/21	18.0	18.5	Cmplt'd
7771	2129	Interlake Properties	IL	26961	----	CADRE	ECRM4	9		06/14	06/21	06/22	11.0	17.0	Cmplt'd
7772	2130	Brooks Foundry	MI	26982	----	CADRE	ECEC1	11		06/14	06/21	06/23	13.0	9.5	Cmplt'd
7772	2130	Brooks Foundry	MI	26982	----	CADRE	ECEB1	10		06/14	06/21	06/24	12.0	12.0	Cmplt'd
7773	2131	Weston Lion Landfill	IL	27024	----	CADRE	ECRF4	14		06/14	06/21	06/30	13.0	13.0	Cmplt'd
7774	2132	Swayne Robinson	IL	27044	----	CADRE	ECNF8	19		06/14	06/21	06/29	22.0	20.0	Cmplt'd
7775	2133	Aircraft Components	MI	----	99ZG08	Manual	S19	13		06/14	06/29	06/30	15.0	19.5	Cmplt'd
7776	2140	Peters Cartridge	OH	26980	----	CADRE	ECHJ9	2		06/22	06/29	06/23	4.0	12.5	Cmplt'd
7777	2141	Weston Lion Landfill	IL	27024	----	CADRE	EBWA9	8		06/22	06/29	06/24	11.0	12.5	Cmplt'd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPG1	20		06/22	06/29	07/02	16.0	14.0	Cmplt'd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPJ1	20		06/22	06/29	07/02	16.0	22.0	Cmplt'd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPL1	12		06/22	06/29	06/30	11.0	20.5	Cmplt'd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPM1	15		06/22	06/29	07/01	13.0	19.0	Cmplt'd
7779	2143	Cross Brothers	IL	27058	Low/Conc.	Manual	EAKA7	11		06/22	07/02	06/30	10.0	6.5	Cmplt'd
7780	2145	Peters Cartridge	OH	26980	----	CADRE	ECHJ6	20		06/23	06/30	07/01	20.0	20.5	Cmplt'd
7781	2146	Aircraft Components	MI	----	99GZ08	Manual	S-01	16		06/23	07/08	07/02	20.0	27.0	Cmplt'd
7782	2147	W. G. Krummitch	IL	----	99IE06	Dioxins	6S-01	16		06/23	07/08	07/02	10.0	10.5	Cmplt'd
7783	2148	Triangle Properties	IL	27042	----	CADRE	ECSP8	13		06/24	07/01	07/07	12.0	22.5	Cmplt'd
7783	2148	Triangle Properties	IL	27042	----	CADRE	ECSQ4	9		06/24	07/01	07/02	8.0	11.5	Cmplt'd
7784	2149	W. G. Krummitch	IL	26993	----	CADRE	ECRP0	16		06/24	07/01	07/20	16.0	19.0	Cmplt'd
7785	2151	W. G. Krummitch	IL	----	99IE06	Dioxins	6S-51	16		06/25	07/09	07/09	12.0	15.0	Cmplt'd
7786	2152	W. G. Krummitch	IL	26993	----	CADRE	ECRR7	19		06/25	07/02	07/07	16.0	17.5	Cmplt'd
7787	2161	LAHR Dump	MN	27095	----	CADRE	ECFG3	4		07/01	07/09	07/09	5.0	8.0	Cmplt'd
7788	2162	Galvan Manufacturing	IN	27045	----	CADRE	ECNH1	6		07/01	07/09	07/15	8.0	11.0	Cmplt'd
7789	2163	Tar lake	MI	27089	----	CADRE	EAKE3	20		07/01	07/09	07/08	22.0	18.0	Cmplt'd
7790	2164	Minneapolis Block 44	MN	27093	----	CADRE	ECFW9	11		07/01	07/09		13.0	16.5	In Prog
7791	2165	Triangle Properties	IL	27096	----	CADRE	ECSR0	20		07/01	07/09	07/13	22.0	15.5	Cmplt'd
7791	2165	Triangle Properties	IL	27096	----	CADRE	ECSW0*	2		07/01	07/09	07/15	4.0	6.0	Cmplt'd
7792	2172	Tar Lake	MI	27089	----	CADRE	EAKM0	14		07/09	07/19	07/16	12.0	15.0	Cmplt'd
7792	2172	Tar Lake	MI	27089	----	CADRE	ES747	20		07/09	07/19	07/08	16.0	17.0	Cmplt'd

Summary of Organic Data Review

Work Assignment N 05-99-03-07

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TDF	PWO			Case	SAS	Data	Case	Num.	ESAT	TDF Dates			Labor Hours:		Comments
Number	Number	Site Name	ST	No.	No.	Set #	Type	Smpl	Assignee	Assgnd	Due	Cmpltd	Est'd	Actual	
=====															
7792	2172	Tar Lake	MI	27089	----	CADRE	ESJ52	20		07/09	07/19	07/19	16.0	16.5	Cmpltd
7793	2173	Old Flora School	IN	27221	----	CADRE	ECNJ2	8		07/09	07/19		11.0		In Prog
7794	2174	Weston Lion Landfill	IL	27024	Low/Conc.	Manual	ECRH2	1		07/12	07/22	07/22	3.0	6.0	Cmpltd
7795	2175	Tar Lake	MI	27089	----	CADRE	EAKK2	11		07/12	07/19	07/16	9.0	15.5	Cmpltd
7796	2176	Hillsdale Coal Gasification	MI	27092	----	CADRE	EAZK7	9		07/12	07/19	07/14	11.5	10.5	Cmpltd
7797	2177	Byron Salvage Yard	IL	27141	Low/Conc.	Manual	ECXA5	20		07/12	07/22	07/16	9.0	6.5	Cmpltd
7797	2177	Byron Salvage Yard.	IL	27141	Low/Conc.	Manual	ECXC5	20		07/12	07/22	07/16	9.0	6.0	Cmpltd
7798	2178	Tar Lake	MI	27115	----	CADRE	ESJ30	13		07/13	07/21	07/23	10.0	12.0	Cmpltd
7798	2178	Tar Lake	MI	27115	----	CADRE	EAKP6	13		07/13	07/21	07/23	10.0	15.0	Cmpltd
7798	2178	Tar Lake	MI	27115	----	CADRE	EAKP3	20		07/13	07/21	07/16	16.0	14.0	Cmpltd
7798	2178	Tar lake	MI	27115	----	CADRE	EAKE8	20		07/13	07/21	07/20	16.0	10.0	Cmpltd
7799	2179	Valley Mould	OH	27041	----	CADRE	ECHF4	5		07/13	07/21	07/23	7.0	8.0	Cmpltd

Month Ending 07/18/99

Table 5. Summary of Inorganic Data Review. Month of 07/99.

Work Assignment No. 05-99-3-08

TDF Number	PWO Number	Site Name	ST	Case No.	SAS No.	Data Set #	C T	Num. Smpl	Review Type	Assgnd	TDF Dates Due	Cmplt'd	Labor Hours: Est'd	Actual	Comments
8512	2003	Industrial Excess LF	OH		PRP			204	Manual	02/01	02/14	03/01	64.0	151.5	Completed
8513	2004	Aircraft Components	MI	99ZG04	SAS	S08		2	Manual	02/01	02/08	02/17	2.0	2.5	Completed
8514	2005	Belleville Municipal LF	IL	26693		MEBGY2		9	Manual	02/01	02/08	03/01	8.0	12.5	Completed
8515	2009	Onalaska Municipal LF	WI	99ZR01	SAS	118324		12	Manual	02/01	02/07	02/03	10.0		Completed
8515	2009	Onalaska Municipal LF	WI	99ZR01	SAS	118324		10	Manual	02/01	02/07	02/03	8.5		Completed
8515	2009	Onalaska Municipal LF	WI	99ZR01	SAS	118525		9	Manual	02/01	02/07	02/03	7.5	5.0	Completed
8515	2009	Onalaska Municipal LF	WI	99ZR01	SAS	118525		7	Manual	02/01	02/07	02/03	6.0		Completed
8516	2010	Aircraft Components	MI	99ZG03	SAS	S01		29	Manual	02/01	02/08	02/17	14.0	9.5	Completed
8516	2010	Aircraft Components	MI	99ZG03	SAS	S33		33	Manual	02/01	02/08	02/26	16.0	12.5	Completed
8517	2011	Himco Dump	IN	26593		MEBQF5		20	Manual	02/01	02/08	02/03	14.0	9.5	Completed
8518	2012	Vernay Laboratories	OH	Q981111	SAS			13	Manual	02/01	02/08	03/08	12.0	23.0	Completed
8519	2013	North Kingsville LF	OH							02/23	03/04		50.0	50.5	Completed
8520	2014	Conneaut Drum Site	OH							02/23	03/04		30.0	44.5	Completed
8522	2019	Enviro-Chem Corp	IN	99ZR02	SAS	27532		4	Manual	03/15	03/23	04/08	16.0	17.0	Completed
8523	2021	Lower Ecourse Creek	MI	98ZR08	SAS	66		8	Manual	03/18	03/26	04/20	9.0	6.5	Completed
8523	2021	Lower Ecourse Creek	MI	99ZR10	SAS	43		2	Manual	03/18	03/26	04/20	3.0	6.5	Completed
8524	2022	Crab Orchard	IL	PRP		3		19	Manual	03/18	04/01	04/01	30.0	28.5	Completed
8526	2023	Lower Ecourse Creek	MI	98ZR08	SAS	74		9	Manual	03/18	03/26	04/20	6.0	9.0	Completed
8526	2023	Lower Ecourse Creek	MI	98ZR09	SAS	90		15	Manual	03/18	03/26	04/20	7.0	10.0	Completed
8527	2026	Lower Ecourse Creek	MI	98ZR10	SAS	62		6	Manual	03/23	04/02	04/20	2.4	4.0	Completed
8527	2026	Lower Ecourse Creek	MI	98ZR10	SAS	89		18	Manual	03/23	04/02	04/20	7.2	5.5	Completed
8527	2026	Lower Ecourse Creek	MI	98ZR11	SAS	50		6	Manual	03/23	04/02	04/20	2.4	4.0	Completed
8527	2026	Lower Ecourse Creek	MI	98ZR11	SAS	58		15	Manual	03/23	04/02	04/20	6.0	4.0	Completed
8528	2027	Peerless Plating	MI	26802		MEBGD6		16	CADRE	03/23	04/02	04/21	13.0	9.5	Completed
8529	2029	Lower Ecourse Creek	MI	98ZR10	SAS	68		6	Manual	03/24	04/02	04/20	4.0	4.0	Completed
8529	2029	Lower Ecourse Creek	MI	98ZR12	SAS	27		3	Manual	03/24	04/02	04/20	2.0	3.5	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR08	SAS	30		8	Manual	03/29	04/08	04/20	3.4	3.5	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR08	SAS	65		8	Manual	03/29	04/08	04/20	3.4	4.0	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR08	SAS	66		7	Manual	03/29	04/08	04/20	3.0	7.0	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR10	SAS	45		6	Manual	03/29	04/08	04/20	2.5	4.0	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR10	SAS	51		11	Manual	03/29	04/08	04/20	4.6	6.5	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR11	SAS	41		9	Manual	03/29	04/08	04/20	3.8	5.0	Completed
8530	2033	Lower Ecourse Creek	MI	98ZR11	SAS	71		8	Manual	03/29	04/08	04/20	3.4	5.5	Completed
8531	2043	Leo J. Smith Subdivision	MI	26884		MEANG5		20	CADRE	04/13	04/21	04/27	15.0	26.5	Completed
8531	2043	Leo J. Smith Subdivision	MI	26884		MEAXY8		14	CADRE	04/13	04/21	05/12	11.0	29.0	Completed
8532	2047	Scrap Processing Co.	WI	99ZG03	SAS	17		3	Manual	04/21	04/28	05/06	3.0	6.5	Completed
8532	2047	Scrap Processing Co.	WI	99ZG03	SAS	33		3	Manual	04/21	04/28	05/06	3.0	6.5	Completed
8532	2047	Scrap Processing Co.	WI	99ZG03	SAS	01		8	Manual	04/21	04/28	05/06	8.0	8.5	Completed
8533	2052	Pardon Mfg.	MI	26909		MEANR1		20	CADRE	04/26	05/03	05/04	14.5	18.0	Completed
8533	2052	Pardon Mfg.	MI	26909		MEANT5		10	CADRE	04/26	05/03	05/05	7.5	10.0	Completed
8534	2059	Packaging Corp. of America	MI	26924		MEAHL1		14	CADRE	05/03	05/10	05/05	10.5	12.5	Completed
8534	2059	Packaging Corp. of America	MI	26924		MEAHM5		12	CADRE	05/03	05/10	05/06	9.5	8.5	Completed
8535	2060	Midwest Rubber	OH	26886		MEBRJ9		20	CADRE	05/03	05/10	05/13	14.0	16.5	Completed
8536	2063	Yeomen Creek	IL							05/05	05/12	05/10	32.0	23.0	Completed
8537	2064	Clarke Incinerator	OH	26942		MEBWE0		8	CADRE	05/05	05/14	05/13	6.5	7.5	Completed
8538	2067	Pardon Mfg.	MI	26909		MEANN1		20	CADRE	05/10	05/17	05/20	15.0	14.0	Completed
8538	2067	Pardon Mfg.	MI	26909		MEANQ1		15	CADRE	05/10	05/17	05/13	11.0	7.5	Completed
8539	2068	Inspiration Mines	IL	26940		MEBFL0		2	CADRE	05/12	05/19	05/28	2.0	5.5	Completed
8540	2069	Marion Geograph. Init.	OH	26941		MEBAW1		5	CADRE	05/12	05/19	05/24	4.0	4.0	Completed
8540	2069	Marion Geograph. Init.	OH	26941		MEBJZ3		20	CADRE	05/12	05/19	05/21	15.0	12.5	Completed
8541	2070	Nagle Residence Site	MI	26958		MESL28		15	CADRE	05/12	05/19	05/24	13.0	8.5	Completed
8542	2076	Inspiration Mines	IL	26940		MEBFE4		20	CADRE	05/17	05/24	05/28	14.0	12.0	Completed
8543	2077	Byron Salvage	IL	26960		MEAYQ4		5	CADRE	05/17	05/24	05/28	3.7	2.5	Completed
8543	2077	Byron Salvage	IL	26960		MEBXF0		6	CADRE	05/17	05/24	06/02	4.3	2.5	Completed
8544	2078	Greentown Dump	OH	26910		MEBRQ1		8	CADRE	05/19	05/26	06/04	6.5	24.5	Completed
8545	2079	Granite City Ditch	IL	26926		MEBEQ5		16	CADRE	05/19	05/26	06/07	12.5	13.0	Completed
8546	2087	Diamond Scrap Yard	IL	26925		MEAMY1		6	Manual	05/24	06/01	06/02	6.0	16.4	Completed
8546	2087	Diamond Scrap Yard	IL	26925		MEBFH1		16	CADRE	05/24	06/01	06/02	13.0	9.5	Completed
8547	2088	Riverdale	IL	26959		MEBWW1		8	CADRE	05/24	06/01	06/02	7.0	7.5	Completed
8548	2093	Joy Road Dump	MI	26981		MEBBP1		14	CADRE	05/25	06/02	06/07	10.6	12.5	Completed
8548	2093	Joy Road Dump	MI	26981		MEBBQ1		19	CADRE	05/25	06/02	06/02	14.4	12.5	Completed
8549	2094	Hillside Coal Gasification	MI	26995		MESL72		8	CADRE	05/26	06/02	06/08	7.0	18.0	Completed
8550	2095	Hillside Coal Gasification	MI	26995		MESL52		20	CADRE	05/25	06/02	06/07	14.0	13.5	Completed
8551	2096	Neals Landfill - SOP Review	IN							05/26	06/07	06/04	16.0	7.5	Completed
8552	2102	Cam-or	IN	26978		MEBWX8		20	Manual	06/01	06/08	06/07	14.0	12.5	Completed
8553	2103	Album Incorporated	IL	26996		MECAN9		12	CADRE	06/01	06/08	06/10	10.0	11.5	Completed
8554	2104	Kellog Property	MI	26939		MEBGN1		16	CADRE	06/01	06/08	06/09	12.2	7.2	Completed
8554	2104	Kellog Property	MI	26939		MEYT11		20	Manual	06/01	06/08	06/07	7.6	7.8	Completed
8554	2104	Kellog Property	MI	26939		MEYW81		10	Manual	06/01	06/08	06/08	15.2	10.5	Completed
8555	2105	Cam-or	IN	26978		MEBXB8		3	CADRE	06/01	06/08	06/07	3.0	3.5	Completed
8556	5011	Data Review Training								06/01	06/14	06/14	40.0	8.2	Completed
8557	2111	Fultz Landfill	OH	26943		MEBFW7		8	Manual	06/07	06/14	06/15	7.0	11.5	Completed
8558	2112	Washington Ave RR Sta	MN	26994		MEBJE3		6	Manual	06/07	06/14	06/10	6.0	6.0	Completed
8559	2113	Brooks Foundry	MI	26982		MEANZ1		2	Manual	06/09	06/16	06/16	4.0	8.0	Completed
8560	2114	Interlake Properties	IL	26961		MEBWJ1		18	Manual	06/09	06/16	06/16	14.0	11.8	Completed
8561	2115	Album Inc.	IL	26996		MECAQ1		20	Manual	06/09	06/16	06/17	15.0	33.5	Completed
8561	2115	Album Inc.	IL	26996		MECAS1		20	Manual	06/09	06/16	06/15	15.0	14.0	Completed
8562	2123	Peters Cartridge	OH	27007		MEBRW6		4	Manual	06/10	06/17	06/16	3.5	6.0	Completed
8563	2124	W.G. Krummitch	IL	26993		MEBWP8		17	Manual	06/10	06/17	06/17	14.0	7.0	Completed
8563	2124	W.G. Krummitch	IL	26993		MEBWN6		16	CADRE	06/10	06/17	06/18	13.0	17.0	Completed
8564	2125	Old Charcoal Iron	MI	27040		MEBQT6		15	CADRE	06/14	06/21	06/22	11.2	17.0	Completed
8564	2125	Old Charcoal Iron	MI	27040		MEBQQ6		18	CADRE	06/14	06/21	06/17	13.4	13.0	Completed
8564	2125	Old Charcoal Iron	MI	27040		MEBQN1		18	CADRE	06/14	06/21	06/20	13.4	10.0	Completed
8564	2125	Old Charcoal Iron	MI	27040		MEBQP1		16	CADRE	06/14	06/21	06/22	12.0	10.5	Completed

Table 5. Summary of Inorganic Data Review. Month of 07/99.

Work Assignment No. 05-99-3-08

TDF Number	PWO Number	Site Name	ST	Case No.	SAS No.	Data Set #	C Num. T Smpl	Review Type	Assgnd	TDF Dates		Labor Hours:		Comments
										Due	Cmpt'd	Est'd	Actual	
8565	2126	Aircraft Components	MI	99ZG08	SAS	S19	13	Manual	06/14	06/21	06/24	10.0	18.0	Completed
8566	2127	Washington Ave RR	MN	26994		MEAZF6	20	CADRE	06/14	06/21	06/17	15.0	12.5	Completed
8567	2134	N.W. Mauthe Co.	WI						06/14	06/25	06/24	20.0	9.5	Completed
8568	2135	Interlake Properties	IL	26961		MEBWL0	15	CADRE	06/15	06/22	06/23	12.0	16.0	Completed
8569	2136	Minneapolis Block 44	MN	27093		MEBJH0	12	CADRE	06/21	06/30	06/29	10.0	9.0	Completed
8569	2136	Minneapolis Block 44	MN	27093		MEBJH5	12	CADRE	06/21	06/30	06/29	10.0	8.5	Completed
8570	2137	Weston Lion LF	IL	27024		MEBFL4	14	CADRE	06/21	06/30	06/25	11.0	10.0	Completed
8571	2138	Brooks Foundry	MI	26982		MEANX1	20	Manual	06/22	07/01	06/29	14.0	12.5	Completed
8572	2139	Triangle Properties	IL	27096		MEBXG9	11	CADRE	06/22	07/01	06/30	9.0	9.0	Completed
8572	2139	Triangle Properties	IL	27096		MEBXJ1	12	CADRE	06/22	07/01	07/01	10.0	7.5	Completed
8573	2144	Aircraft Components	MI	99ZG08	SAS	S08	12	Manual	06/22	06/30	06/29	12.0	8.5	Completed
8574	2150	Aircraft Components	MI	99ZG08	SAS	D13	16	Manual	06/23	07/01	06/29	12.0	14.5	Completed
8575	2153	Swayne Robinson	IN	27044		MEBRA4	3	CADRE	06/28	07/06	07/08	4.0	4.0	Completed
8576	2154	Tar Lake	MI	27089		MEBF83	18	CADRE	06/28	07/06	07/08	14.0	13.0	Completed
8576	2154	Tar Lake	MI	27089		MEKA76	20	CADRE	06/28	07/06	07/12	15.0	10.0	Completed
8576	2154	Tar Lake	MI	27089		MEKA93	20	CADRE	06/28	07/06	07/07	15.0	15.0	Completed
8576	2154	Tar Lake	MI	27089		MEKA96	9	CADRE	06/28	07/06	07/01	8.0	8.5	Completed
8577	2155	Weston Lion LF	IL	27024		MEBFL1	7	CADRE	06/29	07/07	07/01	7.0	5.0	Completed
8578	2156	Tar Lake	MI	27115		MEKT21	20	CADRE	06/30	07/09	07/13	15.0	9.5	Completed
8578	2156	Tar Lake	MI	27115		MEFD94	8	CADRE	06/30	07/09	07/13	8.0	6.0	Completed
8578	2156	Tar Lake	MI	27115		MEKT39	19	CADRE	06/30	07/09	07/12	15.0	11.0	Completed
8579	2157	Tar Lake	MI	27089		MEKA39	12	CADRE	06/30	07/09	07/08	10.0	9.0	Completed
8580	2158	Peters Cartridge	OH	26980		MEBRL4	16	CADRE	06/30	07/09	07/08	14.0	13.5	Completed
8581	2159	Swayne Robinson	IN	27044		MEBQZ8	15	CADRE	06/30	07/10	07/15	12.0	14.5	Completed
8582	2160	Galvan Mfg.	IN	27045		MEBRC3	20	CADRE	06/30	07/10		15.0	7.5	In Progress
8582	2160	Galvan Mfg.	IN	27045		MEBRC7	2	CADRE	06/30	07/10		4.0	6.0	In Progress
8583	2166	Swede Hollow	MN	27119		MEBCY6	15	CADRE	07/06	07/13	07/16	12.0	13.0	Completed
8584	2167	Laingsburg	MI	27112		MEBQM4	17	CADRE	07/06	07/13		14.0	11.0	In Progress
8585	2168	Valley Mould	MI	27041		MEBSC1	3	CADRE	07/06	07/13	07/16	3.0	2.0	Completed
8586	2169	Tar Lake	MI	27115		MEKT24	6	CADRE	07/06	07/14	07/13	6.0	4.5	Completed
8586	2169	Tar Lake	MI	27115		MEBF88	20	CADRE	07/06	07/14	07/15	13.0	11.5	Completed
8586	2169	Tar Lake	MI	27115		MERE33	20	CADRE	07/06	07/14	07/13	13.0	8.0	Completed
8587	2170	Valley Mould	MI	27041		MEBPF4	16	CADRE	07/06	07/14		13.0	1.5	In Progress
8588	2171	Swede Hollow	MN	27119		MEBDA1	15	CADRE	07/07	07/14		12.0	8.5	In Progress
8589	2180	LFPR Property	MI	27140		MEBSN0	20	CADRE	07/13	07/21		15.0		Assigned
8589	2180	LFPR Property	MI	27140		MEBSN1	16	CADRE	07/13	07/21		12.0		Assigned
8592	2181	Triangle Properties	IL	27042		MEBXM6	12	CADRE	07/14	07/23	07/16	11.0	11.0	Completed
8593	2182	Byron Salvage	IL	27141		MEBKK8	20	CADRE	07/14	07/23		15.0		Assigned
8593	2182	Byron Salvage	IL	27141		MEBKM6	10	CADRE	07/14	07/23		10.0		Assigned
8594	2183	Kenny Morrison	IL	27117		MEBWS0	15	CADRE	07/14	07/23		12.0		Assigned
8595	2184	Thomas Sherman	WI	27142		MEBCN5	10	CADRE	07/14	07/23		10.0		Assigned
8596	2185	Triangle Properties	WI	27059		MEBXG5	6	CADRE	07/14	07/23		6.0		Assigned
8590	2193	Byron Salvage	IL	27141		MEBKN6	17	CADRE	07/14	07/22		13.0		Assigned

Lockheed Martin Services Group
Environmental Services & Technologies Region 5
536 South Clark Street #1050 Chicago, IL 60605
Telephone 312-353-8302 Facsimile 312-353-8307

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7TH FLOOR
RECORDS CENTER
DUPLICATE

**ENVIRONMENTAL SERVICES ASSISTANCE TEAM
U.S. EPA REGION V**

EPA Contract 68-D60002

WEEKLY PROGRESS REPORT

June 28, 1999 through July 4, 1999

Submitted to:

Jay Thakkar
ESAT Regional Project Officer
U.S. EPA Region V
Superfund Division Contract Management Section
77 West Jackson Blvd.
Chicago, IL 60604

Submitted by:

Dennis Miller, Ph.D.
ESAT Team Manager
Lockheed Martin Services Group
536 South Clark Street
Chicago, IL 60605

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INTRODUCTION

This Weekly Progress Report summarizes ESAT Region V activity for the period June 28, 1999 through July 4, 1999.

I. TDF Project Work

ESAT received 17 new technical direction forms (TDFs) during this reporting period. Progress on individual WAs or TDFs is described in Section III.

<u>Work Assignment</u>	<u># TDFs</u>
05-99-3-02	2
05-99-3-03	1
05-99-3-04	1
05-99-3-07	5
05-99-3-08	8

II. Health and Safety

No accidents or incidents were reported this week.

III. Section Reports

TASK AREA I

1. Laboratory Analysis

1.1 Organic Analysis

SVOC Analysis (WA 05-99-3-01):

A draft manual integration SOP for all ESAT sample analysis work is undergoing internal ESAT review. ESAT VOC, SVOC and pesticide/PCB QA/QC checklists were revised to include a manual integration audit check.

VOC Analysis (WA 05-99-3-02):

Twenty-six Byron Salvage (case 90084) monitoring well water samples were received on 6/29/99 for low level 1,4-dioxane and tetrahydrofuran (THF) analysis (TDF 5102-135). Initial 1,4-dioxane and THF GC/MS analyses were completed for 26 Byron Salvage water samples; data processing and analytical data package preparation are in progress for the water samples. Seven Byron Salvage (case 90085) water samples were received on 7/1/99 for low level 1,4-dioxane and THF analysis (TDF 5102-36). Initial 1,4-dioxane and THF GC/MS analyses were completed for the seven Byron Salvage water samples; data processing and analytical data package preparation are in progress for the water samples.

Pesticide/PCB Analysis (WA 05-99-3-03):

Thirteen Sauget Area 1 sediment samples were received on Friday, 7/2/99, for fast turnaround (7 day) PCB analysis (TDF 5103-116); sample extraction, cleanup and analysis will be completed next week.

Sulfur cleanup was completed for 69 North Branch of the Chicago River soil sample extracts (TDF 5103-114); initial GC/ECD pesticide/PCB analyses were completed for 20 sample extracts; initial analysis results indicate that the sample extracts contain high levels of potentially interfering hydrocarbons.

The pesticide/PCB analytical data packages for the two (one soil and one water) QB3-FY99 PE samples and the June reswell PE sample were submitted on 7/1/99 (TDF 5103-115).

The status of Organic Analysis is summarized in Table 2.

1.2 Inorganic Analysis (Work Assignment 05-99-3-04):

Thirteen Sauget Area 1 soil samples were received on 7/2/99 for fast turnaround total metals and cyanide analysis (TDF 5104-245); mercury digestion was completed for the Sauget Area 1 soil samples; the soil samples were oven dried for ICP metals and AA metals digestion.

The manganese ICP analytical data package for four East Moline soil samples was submitted ahead of schedule on 6/29/99 (TDF 5104-244); pH analyses were completed for the East Moline soil samples and the pH analysis report is undergoing internal ESAT review.

The ICP metals and cyanide analytical data packages for 13 Tar Lake water samples were submitted ahead of schedule on 6/29/99 and 6/30/99, respectively, (TDF 5104-243). Mercury and AA metals analyses were completed for the Tar Lake water samples; the mercury and AA metals analytical data packages are undergoing internal ESAT review.

Mercury analysis was completed for a Former Sears Retail Store soil sample (TDF 5104-242); the mercury analytical data package is undergoing internal ESAT review.

Mercury and AA metals analyses were completed for three Lahr Dump water samples (TDF 5104-240); the mercury and AA metals analytical data packages are undergoing internal ESAT review. AA metals analyses were completed for the June reswell PE sample (TDF 5104-241); the AA metals analytical data package is undergoing internal ESAT review.

The AA metals analytical data package for nine Cross Brothers water samples was submitted ahead of schedule on 7/1/99 (TDF 5104-239); mercury analyses were completed for the Cross Brothers water samples and the mercury analytical data package is undergoing internal ESAT review.

The AA metals analytical data package for two QB3 FY99 PE samples (one water and one soil) was submitted on 7/1/99 (TDF 5104-238); the QB3 mercury analytical data package is

undergoing internal ESAT review.

The AA metals analytical data package for two QB3 FY99 PE samples (one water and one soil) was submitted on 7/1/99 (TDF 5104-238); the QB3 mercury analytical data package is undergoing internal ESAT review.

The status of Inorganic Analysis is summarized in Table 3.

1.3 Field Analytical Support Program (WA 05-99-3-05):

A replacement eye wash kit was received for a FASP mobile laboratory; an expired eyewash kit was given to the CRL H&S Officer for disposal. An ESAT organic analytical chemist is scheduled to provide technical support to operate the Agency's Geoprobe to collect soil and/or water samples at the Michigan Chrome & Chemical Co. site (TDF 5105-070) and four Brownfields sites in Wayne County, Michigan (TDF 5105-071) during the next two weeks. Neither the FASP WAM or the ESAT Team Manager have received site specific health and safety plans for the Wayne County Geoprobe sample collection sites. Radios with radium coated luminescent dials may have been manufactured at the Detroit School Board Brownfields site in the late 1930s. The EPA is scheduled to conduct a radiation survey at the Detroit School Board site starting on July 12, 1999. The Michigan Chrome & Chemical Co. health and safety plan was received and is being reviewed by appropriate ESAT personnel.

1.4 Biology and Toxicity testing (WA 05-99-3-06):

No Seed Germination or Root Elongation reference toxicity tests were conducted during the week. A shipment of 400 pre-clitellate earthworms was received on Monday, 6/28/99, to begin a new in-house earthworm culture. Earthworm toxicity testing will probably resume at the end of August or the beginning of September.

1.5 Laboratory Support Services (WA 05-99-3-09):

Glassware from the biology and inorganic/organic chemistry labs was efficiently and effectively collected, washed, rinsed, dried and returned to the labs in a timely manner. CRL labs 1019, 1024, 1025, 1030, 1031, 1032, 1036, 1039 and 1042 were proficiently cleaned; the laboratory cleaning schedule checklist was completed and was submitted to the WAM and the RPO.

1.6 PM_{2.5} FRM PEP Field Support Services (WA 05-99-3-14):

On Monday, 6/28/99, an ESAT Field Scientist (FS) traveled to Cincinnati, Ohio to retrieve air particulate filters and download sampler data at the Carthage Fire Station (AIRS 390610014) and Health Center (AIRS 390617001) PM_{2.5} sites; the sampler data and air filters were shipped to the Region 10 Laboratory; the ESAT FS returned to Chicago on Tuesday. On Monday, an ESAT FS brought three PM_{2.5} samplers to the CRL and performed quarterly checks and maintenance for the samplers; all performance checks were satisfactory; the

sampler cases were also cleaned. On Wednesday, an ESAT FS conducted quarterly checks and maintenance for three other PM_{2.5} samplers; all performance checks were satisfactory.

The June PM_{2.5} FRM Field Support Services monthly report was written and was submitted to the WAM on Thursday, 7/1/99. Copies of photographs taken at PM_{2.5} sites were organized and were distributed to the WAM and the Lockheed Martin ESAT health and safety officer; the original PM_{2.5} site photographs are being kept in the WA files. Additional PM_{2.5} site photographs will be sent to the WAM in the future. On Wednesday, 20 new PM_{2.5} filters were received from the Region 10 Laboratory; on Friday, 14 ice packs were received from the Region 10 Laboratory; 20 new ice packs were purchased. State air monitoring personnel were contacted to finalize arrangements for next week's scheduled PM_{2.5} audits at sites in St. Paul, Minnesota and Akron, Ohio.

TASK AREA II

2. Data Review

2.1 Organic Data Review (Work Assignment 05-99-3-07)

	# Cases Assigned	# Cases Carried Over	# Cases Completed	# Cases In Progress
RAS	6	12	9	9
SAS	0	2	2	0
PRP	0	0	0	0
DXN	0	2	1	1
Total	6	16	12	10
No. Of Samples	63	249	185	127
EST. Hrs	74.0	230.0	174.0	130.0
LOE Used	0.0	182.0	196.0	21.0

Six RAS organic data cases (63 samples) were received for fast turnaround CADRE review and validation. CADRE review narratives were submitted for eight RAS organic data cases (129 samples); manual review narratives were submitted for one RAS organic data case (11 samples) and three SAS organic data cases (45 samples). Ten organic data cases (127 samples) will be carried over for completion of CADRE or manual data review and validation.

The status of Organic Data Review is summarized in Table 4.

2.2 Inorganic Data Review (WA 05-99-3-08)

	# Cases Assigned	# Cases Carried Over	# Cases Completed	# Cases In Progress
RAS	14	5	7	12
SAS	0	2	2	0
PRP	0	0	0	0
Total	14	7	9	12
No. Of Samples	189	95	111	173
EST. Hrs	156.0	77.0	92.0	141.0
LOE Used	42.0	37.0	83.0	28.5

Fourteen RAS inorganic data cases (189 samples) were received for fast-turnaround CADRE review and validation. CADRE narratives were submitted for seven RAS inorganic data cases (83 samples); manual review narratives were submitted for two SAS inorganic data cases (28 samples). Twelve inorganic data cases (173 samples) will be carried over for completion of CADRE review and validation.

The status of Inorganic Data Review is summarized in Table 5.

2.3 PE (QB) Sample Evaluation

There was no PE (QB) sample data package evaluation conducted during the week.

TASK AREA III

3. Logistical and Administrative Support

3.1 Data Coordination (Work Assignment 05-99-3-10):

Eleven inorganic data cases and nine organic data cases were received and were processed by the ESAT data control technician. Effort was directed toward maintaining files in the data custody room.

TASK AREA IV

4. QA/QC Support

4.1 QA Audits

Detailed raw data audits were performed by the analyst, task/group leader, QA/QC reviewer

and/or ETM for Cross Brothers (AA metals), East Moline (manganese ICP and pH), Former Sears Retail Store (mercury), June reswell PE (pesticide/PCB and AA metals), Lahr Dump (mercury and AA metals), QB3 FY99 PE (mercury, AA metals and pesticide/PCB) and Tar Lake (cyanide and ICP metals) analytical data packages.

Manual and/or CADRE review narratives for TDFs for WA 05-99-3-07 and WA 05-99-3-08 were thoroughly audited by a peer data reviewer and/or the ESAT task leader.

4.2 SAS/SOP Review

SOP preparation and review activities are discussed in section 1.1 (Organic Analysis).

TASK AREA V

5.0 Training

There were no training activities conducted during the week.

TASK AREA VI

6. ESAT Team Management and Administration (WA 05-99-3-11):

Table 1: WA LOE Utilization as of 7/4/99

WA	Current LOE Hours	Work Plan LOE Hours	% LOE Used
05-99-3-01	779.3	2690	29.0
05-99-3-02	688.7	2690	25.6
05-99-3-03	1158.7	1793	64.6
05-99-3-04	2673.5	5379	49.7
05-99-3-05	1516.1	3586	42.3
05-99-3-06	326.5	897	36.4
05-99-3-07	2060.4	5379	38.3
05-99-3-08	1315.9	3586	36.7
05-99-3-09	865.0	1972	43.9
05-99-3-10	676.5	1972	34.3
05-99-3-11	1022.5	2330	43.9
05-99-3-12	0.0	0	NA
05-99-3-13	0.0	0	NA
05-99-3-14	1861.0	3586	51.9
Total	14944.1	35860	41.7%

As of 7/4/99, 43.2% of the option year 3 work days have occurred. For WAs 05-99-3-03, 05-99-3-04, 05-99-3-09, 05-99-3-11 and 05-99-3-14, actual LOE usage is currently greater than projected LOE usage. For WA 05-99-3-03 (Pesticide/PCB Analysis), actual LOE usage

is about 150% of projected LOE usage; 75% of the WA authorized LOE hours will probably be expended by the end of July. For WA 05-99-3-14 (PM_{2.5} FRM PEP Field Support Service), an additional 700-800 LOE hours will probably be required for option year 3. For WAs 05-99-3-01, 05-99-3-02, 05-99-3-05, 05-99-3-06, 05-99-3-07, 05-99-3-08 and 05-99-3-10, actual LOE usage is currently less than projected LOE usage.

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
Semivolatile Analysis 05-99-3-01								2690.0	803.1	30%	
1095	1001	Instrument Maintenance-Organic	—	—	02/01	07/30		350.0	124.5	36%	In Progress
0000	1003	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
1096	1023	Gomey Property	40	Soil/Water	02/01	02/20	02/19	60.0	116.0	193%	Complete
1097	1036	March PE	1	Water	03/01	03/15	03/24	40.0	22.5	56%	Complete
1098	1037	East Moline BF	5	Soil/Water	03/01	04/15	03/18-04/05	60.0	52.8	88%	Complete
1099	1045	MDL & P&A Studies	—	—	03/08	04/02	04/02	80.0	79.5	99%	Complete
1100	1050	Midwest Rubber	3	Soil	03/29	04/16	04/09	30.0	45.0	150%	Complete
0000	4006	SVOC SOP Review	—	—	04/01	01/31		80.0	40.5	51%	In Progress
1101	1056	April PE	1	Water	04/12	04/22	04/23	12.0	21.5	179%	Complete
1102	1063	Former Sears Retail Store	29/10	Soil/Water	04/28	05/20	05/14	120.0	123.5	103%	Complete
1103	1069	May PE	1	Water	05/05	05/22	06/03	16.0	8.0	50%	Complete
1104	1076	1737 Jefferson Trenton	28/11	Soil/Water	05/07	05/27	06/10	180.0	94.0	52%	Complete
1105	1089	QB3-FY99	3	Water/Soil	06/07	06/21	06/23	20.0	23.2	116%	Complete
1106	5012	Pollution Prevention Training	—	—	06/09	06/09	06/09	20.0	12.3	62%	Complete
1107	1092	June PE	1	Water	06/14	06/24	06/18	20.0	12.5	63%	Complete
0000	4007	Organic Analysis QA	—	—	06/22	06/29		24.0	25.8	108%	In Progress
Volatile Analysis 05-99-3-02								2690.0	710.2	26%	
0000	1004	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
2116	1024	Gomey Property	40	Soil/Water	02/01	02/26	02/10	40.0	47.5	119%	Complete
2117	1029	QB1-FY99	2	Water	02/01	02/12	02/12	6.0	7.0	117%	Complete
2118	1030	January PE	1	Water	02/01	02/12	02/12	6.0	7.5	125%	Complete
2119	1038	East Moline BF	2	Water	03/01	03/16	03/08	16.0	22.0	138%	Complete
2120	1039	March PE	1	Water	03/02	03/16	03/11	12.0	11.0	92%	Complete
2121	1051	Midwest Rubber	3	Soil	03/29	04/12	04/08	15.0	14.0	93%	Complete
2122	1053	Old Mill	23	Water	04/01	04/21	04/09	48.0	26.5	55%	Complete
2123	1054	Autosampler Archon Analysis	—	—	04/07	04/14	04/16	40.0	48.5	121%	Complete
2124	1057	April PE	1	Water	04/12	04/26	04/13	10.0	9.5	95%	Complete
2125	1064	Former Sears Retail Store	8	Water	04/28	05/12	05/04	24.0	21.5	90%	Complete
2126	1067	403 W. 138th Street	8	Soil	04/30	05/13	05/26	24.0	103.0	429%	Complete
2127	1070	CAM-OR	61	Water	05/06	05/20	05/20	120.0	65.0	54%	Complete
2128	1077	1737 Jefferson Trenton	28/17	Soil/Water	05/07	05/26	05/27	90.0	85.5	95%	Complete
2129	1081	W. G. Krummitch	16	Soil	05/13	05/27	6/2-6/9	15.0	64.0	427%	Complete
2130	1083	Weston Lion Landfill	14	Soil	05/18	05/31	6/2-6/8	30.0	70.5	235%	Complete
2131	1085	Interlake Properties	26	Soil	04/30	05/27	06/01	56.0	29.5	53%	Complete
2132	1090	QB3-FY99	2	Water	06/09	06/23	06/14	12.0	10.0	83%	Complete
2133	1093	May & June PE	2	Water	06/11	06/25	06/17	12.0	12.2	102%	Complete
2134	1098	Kenny Morrison	7	Water	06/17	07/01	06/24	24.0	24.0	100%	Complete
2135	1101	Byron Salvage	26	Water	06/29	07/13		50.0	24.0	48%	In progress
2136	1104	Byron Salvage	7	Water	07/01	07/14		15.0	6.0	40%	In progress
Pesticides/PCB 05-99-3-03								1793.0	1145.7	64%	
0000	1005	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress
3104	1025	Gomey Property	100	Soil/Water	02/01	02/25	03/18	60.0	206.5	344%	Complete
3105	1026	QB1-FY99/PE	4	Water/Soil	02/01	02/25	02/18	16.0	42.5	266%	Complete
3106	1032	GC/ECD 8 Maint/Dev.	—	—	02/09	02/26	06/15	40.0	86.0	215%	Complete
3107	1043	March PE	1	Water	03/05	03/26	03/25	16.0	25.0	156%	Complete
3108	1052	Midwest Rubber	3	Soil	03/30	04/13	04/22	30.0	60.0	200%	Complete
3109	1058	April PE	1	Water	04/12	04/30	04/22	12.0	15.0	125%	Complete
3110	1062	Precision and Accuracy	—	—	04/26	05/21	06/15	40.0	163.5	409%	Complete
3111	1065	Former Sears Retail Store	8/2	Soil/Water	04/28	05/12	05/20	40.0	36.0	90%	Complete
3112	1074	May PE	1	Water	05/06	05/24	06/02	12.0	3.5	29%	Complete
3113	1078	1737 Jefferson Trenton	28/11	Soil/Water	05/07	06/02	6/8-05/28	180.0	166.5	93%	Complete
3114	1087	North Branch of Chicago River	69	Soil	06/02	07/15		400.0	288.7	72%	In Progress
3115	1091	QB3-FY99/June PE	3	Water/Soil	06/09	06/23	06/23-07/01	20.0	51.0	255%	Complete
Field Analytical Support 05-99-3-05								3586.0	1516.1	42%	
0000	1006	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
0000	1014	FASP Instrument Maint.	—	—	02/01	01/31		500.0	56.5	11%	In progress
5060	1027	East Moline Brownfields	175	Soil/Water	02/01	03/19	05/14	800.0	781.2	98%	Complete
5061	1028	East Moline Brownfields	GP	GP	02/16	02/26	02/26	90.0	88.5	98%	Complete
5063	1031	Gomey Property	40	Soil/Water	02/01	02/22	02/26	160.0	200.5	125%	Complete
5064	5001	Geoprobe Training	—	—	02/10	02/10	02/10	8.0	8.0	100%	Complete
0000	4001	Review & Revise SOP	—	—	03/01	04/30		120.0	123.0	103%	In progress
5065	5002	Field H&S Training	—	—	03/02	06/02	05/21	56.0	59.0	105%	Complete
5066	1044	East Moline Brownfields	GP	GP	03/08	03/10	03/09	30.0	21.0	70%	Complete
5067	1048	Altgeld Gardens	4	Soil	03/24	04/07	04/01	60.0	135.9	227%	Complete
5068	1060	Vandalia, IL BF	GP	GP	04/19	04/23	04/22	40.0	41.0	103%	Complete
5069	1079	Michigan Chrome & Chem.	GP	GP	06/14	06/18	06/04	40.0	0.0	0%	Canceled
5070	1102	Michigan Chrome & Chem.	GP	GP	07/21	07/23		24.0	0.0	0%	In progress
5071	1103	Trenton Brownfield	GP	GP	07/12	07/20		56.0	0.0	0%	In progress

Table 3. Summary of Inorganic Analysis. Week Ending 07/04/99.

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
Work Assignment No. 05-99-3-04										
5104-208 51-017	JY 138 ICP Development		ICP	02/02	1/31/00		500.0	168.0	RD	In Progress
5104-238 51-086	QB3 FY99 990072	1 W 1 S	ICP GFAA Hg CN	06/01	06/30	06/23 07/01 06/24	40.0	59.0	RD SC/MM MM/JG ST	Completed Completed In Progress Completed
5104-239 51-088	Cross Brothers 990074	9 W	ICP GFAA Hg	06/07	07/06	06/24 07/01	90.0	65.8	RD MM/SC MM/JG	Completed In Progress Completed In Progress
5104-240 51-094	Lahr Dump 990080	3 W	ICP GFAA Hg CN	06/11	07/09	06/24 06/24	40.0	33.5	RD MM/SC MM/JG SC	Completed In Progress In Progress Completed
5104-241 51-095	June Reswell PE 990079	1 W	ICP GFAA CN	06/11	06/30	06/24 06/24	20.0	17.5	RD MM/SC SC	Completed In Progress Completed
5104-242 51-096	Former Sears Retail Store 990050	1 S	ICP GFAA Hg	06/14	06/22	06/23 06/23	30.0	63.3	RD SC MM/JG	Completed Completed In Progress
5104-243 51-097	Tar Lake 990081	13 W	ICP GFAA Hg CN	06/17	07/01	06/29 06/30	150.0	73.5	RD MM/SC MM/JG SC	Completed In Progress Completed In Progress
5104-244 51-100	East Moline Brownfield Site 990083	4 S	Mn-ICP pH	06/24	07/09	06/29	25.0	34.5	RD ST	Completed In Progress
5104-245	Sauget Area I - Dead Creek 990086	13 S	ICP GFAA Hg CN	07/02	07/08				RD SC MM ST	In Progress In Progress In Progress In Progress

Summary of Organic Data Review

Work Assignment N 05-99-03-07

=====														
TDF	PWO			Case	SAS Data	Case	Num.	ESAT		TDF Dates		Labor Hours:		Comments
Number	Number	Site Name	ST	No.	No. Set #	Type	Smpl	Assignee	Assgnd	Due	Cmpltd	Est'd	Actual	
=====														
7773	2131	Weston Lion Landfill	IL	27024	----	CADRE	ECRF4	14		06/14	06/21	06/30	13.0	Cmpltd
7774	2132	Swayne Robinson	IL	27044	----	CADRE	ECNF8	19		06/14	06/21	06/29	22.0	Cmpltd
7775	2133	Aircraft Components	MI	----	99ZG08	Manual	S19	13		06/14	06/29	06/30	15.0	Cmpltd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPG1	20		06/22	06/29	07/02	16.0	Cmpltd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPJ1	20		06/22	06/29	07/02	16.0	Cmpltd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPL1	12		06/22	06/29	06/30	11.0	Cmpltd
7778	2142	Old Charcoal Iron	MI	27040	----	CADRE	ECPM1	15		06/22	06/29	07/01	13.0	Cmpltd
7779	2143	Cross Brothers	IL	27058	Low/Conc.	Manual	EAKA7	11		06/22	07/02	06/30	10.0	Cmpltd
7780	2145	Peters Cartridge	OH	26980	----	CADRE	ECHJ6	20		06/23	06/30	07/01	20.0	Cmpltd
7781	2146	Aircraft Components	MI	----	99GZ08	Manual	S-01	16		06/23	07/08	07/02	20.0	Cmpltd
7782	2147	W. G. Krummitch	IL	----	99IE06	Dioxins	6S-01	16		06/23	07/08	07/02	10.0	Cmpltd
7783	2148	Triangle Properties	IL	27042	----	CADRE	ECSP8	13		06/24	07/01		12.0	In Prog
7783	2148	Triangle Properties	IL	27042	----	CADRE	ECSQ4	9		06/24	07/01	07/02	8.0	Cmpltd
7784	2149	W. G. Krummitch	IL	26993	----	CADRE	ECRP0	16		06/24	07/01		16.0	In Prog
7785	2151	W. G. Krummitch	IL	----	99IE06	Dioxins	6S-51	16		06/25	07/09		12.0	In Prog
7786	2152	W. G. Krummitch	IL	26993	----	CADRE	ECRR7	19		06/25	07/02		16.0	In Prog
7787	2161	LAHR Dump	MN	27095	----	CADRE	ECFG3	4		07/01	07/09		5.0	In Prog
7788	2162	Galvan Manufacturing	IN	27045	----	CADRE	ECNH1	6		07/01	07/09		8.0	In Prog
7789	2163	Tar Lake	MI	27089	----	CADRE	EAKE3	20		07/01	07/09		22.0	In Prog
7790	2164	Minneapolis Block 44	MN	27093	----	CADRE	ECFW9	11		07/01	07/09		13.0	In Prog
7791	2165	Triangle Properties	IL	27096	----	CADRE	ECSR0	20		07/01	07/09		22.0	In Prog
7791	2165	Triangle Properties	IL	27096	----	CADRE	ECSW0	2		07/01	07/09		4.0	In Prog

Week Ending 07/04/99

Table 5. Summary of Inorganic Data Review. Week Ending 07/04/99.

Work Assignment No. 05-99-3-08

TDF Number	PWO Number	Site Name	ST	Case No.	SAS No.	Data Set #	C T	Num. Smpl	Review Type	Assgnd	TDF Dates		Labor Hours:		Comments
											Due	Cmplt'd	Est'd	Actual	
8569	2136	Minneapolis Block 44	MN	27093		MEBJH0		12	CADRE	06/21	06/30	06/29	10.0	9.0	Completed
8569	2136	Minneapolis Block 44	MN	27093		MEBJH5		12	CADRE	06/21	06/30	06/29	10.0	8.5	Completed
8571	2138	Brooks Foundry	MI	26982		MEANX1		20	Manual	06/22	07/01	06/29	14.0	12.5	Completed
8572	2139	Triangle Properties	IL	27096		MEBXG9		11	CADRE	06/22	07/01	06/30	9.0	9.0	Completed
8572	2139	Triangle Properties	IL	27096		MEBXJ1		12	CADRE	06/22	07/01	07/01	10.0	7.5	Completed
8573	2144	Aircraft Components	MI	99ZG08	SAS	S08		12	Manual	06/22	06/30	06/29	12.0	8.5	Completed
8574	2150	Aircraft Components	MI	99ZG08	SAS	D13		16	Manual	06/23	07/01	06/29	12.0	14.5	Completed
8575	2153	Swayne Robinson	IN	27044		MEBRA4		3	CADRE	06/28	07/06		4.0		Assigned
8576	2154	Tar Lake	MI	27089		MEBF83		18	CADRE	06/28	07/06		14.0	4.5	In Progress
8576	2154	Tar Lake	MI	27089		MEKA76		20	CADRE	06/28	07/06		15.0		Assigned
8576	2154	Tar Lake	MI	27089		MEKA93		20	CADRE	06/28	07/06		15.0	6.0	In Progress
8576	2154	Tar Lake	MI	27089		MEKA96		9	CADRE	06/28	07/06	07/01	8.0	8.5	Completed
8577	2155	Weston Lion LF	IL	27024		MEBFL1		7	CADRE	06/29	07/07	07/01	7.0	5.0	Completed
8578	2156	Tar Lake	MI	27115		MEKT21		20	CADRE	06/30	07/09		15.0		Assigned
8578	2156	Tar Lake	MI	27115		MEFD94		8	CADRE	06/30	07/09		8.0		Assigned
8578	2156	Tar Lake	MI	27115		MEKT39		19	CADRE	06/30	07/09		15.0		Assigned
8579	2157	Tar Lake	MI	27089		MEKA39		12	CADRE	06/30	07/09		10.0	7.5	In Progress
8580	2158	Peters Cartridge	OH	26980		MEBRL4		16	CADRE	06/30	07/09		14.0	10.5	In Progress
8581	2159	Swayne Robinson	IN	27044		MEBQZ8		15	CADRE	06/30	07/10		12.0		Assigned
8582	2160	Galvan Mfg.	IN	27045		MEBRC3		20	CADRE	06/30	07/10		15.0		Assigned
8582	2160	Galvan Mfg.	IN	27045		MEBRC7		2	CADRE	06/30	07/10		4.0		Assigned

Lockheed Martin Services Group
Environmental Services & Technologies Region 5
536 South Clark Street #1050 Chicago, IL 60605
Telephone 312-353-8302 Facsimile 312-353-8307

Rec'd 7/23/99
15993
LOCKHEED MARTIN

7TH FLOOR
RECORDS CENTER
DUPLICATE

**ENVIRONMENTAL SERVICES ASSISTANCE TEAM
U.S. EPA REGION V**

EPA Contract 68-D60002

WEEKLY PROGRESS REPORT

5 July through 11 July 1999

Submitted to:

**Jay Thakkar
ESAT Regional Project Officer
U.S. EPA Region V
Superfund Division Contract Management Section
77 West Jackson Blvd.
Chicago, IL 60604**

Submitted by:

**Dennis Miller, Ph.D.
ESAT Team Manager
Lockheed Martin Services Group
536 South Clark Street
Chicago, IL 60605**

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 - 1.1.1 SVOC Analysis (WA 05-99-3 -01)
 - 1.1.2 VOC Analysis (WA 05-99-3-02)
 - 1.1.3 Pesticide/PCB Analysis (WA 05-99-3-03)
 - 1.2 Inorganic Analysis (WA 05-99-3-04)
 - 1.3 Biology and Toxicity Testing (WA 05-99-3-06)
 - 1.4 Field Analytical Support Program (WA 05-99-3-05)
 - 1.5 Laboratory Services (WA 05-99-3-09)
 - 1.6 PM_{2.5} FRM EP Field Support Services (WA 05-99-3-14)

TASK AREA II

- 2. Data Review
 - 2.1 Organic (WA 05-99-3-07)
 - 2.2 Inorganic (WA 05-99-3-08)
 - 2.3 PE (QB) Sample Evaluation

TASK AREA III

- 3. Logistical and Administrative Support
 - 3.1 Data Coordination (WA 05-99-3-10)

TASK AREA IV

- 4. QA/QC Support
 - 4.1 QA Audit
 - 4.2 SAS/SOP Review

TASK AREA V

- 5. Training

TASK AREA VI

- 6. ESAT Team Management and Administration (WA 05-99-3-11)

INTRODUCTION

This Weekly Progress Report summarizes ESAT Region V activity for the period 5 July through 11 July 1999.

I. TDF Project Work

ESAT received 11 new technical direction forms (TDFs) during this reporting period. Progress on individual WAs or TDFs is described in Section III.

<u>Work Assignment</u>	<u># TDFs</u>
05-99-3-05	3
05-99-3-07	2
05-99-3-08	6

II. Health and Safety

No accidents or incidents were reported this week.

III. Section Reports

TASK AREA I

1. Laboratory Analysis

1.1 Organic Analysis

SVOC Analysis (WA 05-99-3-01):

A draft manual integration SOP for all ESAT sample analysis work is undergoing internal ESAT review. ESAT VOC, SVOC and pesticide/PCB QA/QC checklists were revised to include a manual integration audit check.

VOC Analysis (WA 05-99-3-02):

VOC GC/MS analysis was completed for the 26 Byron Salvage (case 90084) monitoring well water samples (TDF 5102-135); the analytical data package was submitted one week ahead of schedule on July 8, 1999.

VOC GC/MS analysis was completed for the seven Byron Salvage (case 90085) monitoring well water samples (TDF 5102-136); the analytical data package was submitted one week ahead of schedule on July 8, 1999.

Pesticide/PCB Analysis (WA 05-99-3-03):

GC/ECD analysis were completed for the 69 North Branch of the Chicago River soil sample extracts (TDF 5103-114); data processing and analytical data package preparation are in progress for the soil samples.

Soxhlet extractions and GPC cleanups were completed for the 13 Sauget Area I sediment samples; GC/ECD analysis will be initiated next week (TDF 5103-116).

The status of Organic Analysis is summarized in Table 2.

1.2 Inorganic Analysis (Work Assignment 05-99-3-04):

The Hg analytical data package for the one water and one soil quarterly blind (QB3 FY99, TDF 5104-238) samples is undergoing an internal audit.

The Hg analytical data package for the nine water samples from the Cross Brothers site (TDF 5104-239) is undergoing an internal audit.

The GFAA and Hg analytical data packages for the three water samples from Lahr Dump (TDF 5104-240) are undergoing an internal audit.

The GFAA analytical data package for the reswell performance evaluation sample (TDF 5104-241) is undergoing an internal audit.

The GFAA and Hg analytical data packages for the 13 water samples from Tar Lake (TDF 5104-243) are undergoing an internal audit.

The pH analytical data package for the four soil samples from East Moline (TDF 5104-244) was submitted on July 9, 1999; all analytical work for this task is complete.

The ICP, Hg and CN analytical data packages for the 13 soil samples from Sauget Area I (TDF 5104-245) were submitted on schedule on July 9, 1999. GFAA analyses were completed; the deliverable's package is undergoing an internal audit.

Four water samples from Byron Salvage (TDF 5104-246) were assigned for ICP, GFAA, Hg and CN analysis. The samples were distilled, analyzed for CN and digested for ICP metals; the CN deliverable's package is undergoing internal audit.

The residential well performance evaluation sample (TDF 5104-247) was assigned for ICP, GFAA and CN analysis. The sample was distilled and analyzed for CN and digested for ICP metals; the CN deliverable's package is undergoing internal audit.

Six water samples from the Sam Winer site (TDF 5104-248) were assigned for ICP, GFAA, Hg CN analysis; work on this task will begin next week.

The status of Inorganic Analysis is summarized in Table 3.

1.3 Biology and Toxicity Testing (WA 05-99-3-06):

No Seed Germination or Root Elongation reference toxicity tests were conducted this week. Earthworm culturing is in progress.

1.4 Field Analytical Support Program (WA 05-99-3-05):

The health and safety plans for the five Wayne County, Michigan Geoprobe sites were received and are being reviewed by the appropriate ESAT personnel. An ESAT organic analytical chemist assisted the WAM in readying the Agency's Geoprobe equipment which are scheduled to collect soil and/or water samples at the Brownfields sites in Wayne County, Michigan (TDF 5105-071) next week.

1.5 Laboratory Support Services (WA 05-99-3-09):

Glassware from the biology and inorganic/organic chemistry labs was efficiently and effectively collected, washed, rinsed, dried and returned to the labs in a timely manner. CRL labs 1019, 1024, 1025, 1030, 1031, 1032, 1036, 1039 and 1042 were proficiently cleaned.

1.6 PM_{2.5} FRM EP Field Support Services (WA 05-99-3-14):

Last week four PM_{2.5} sites were audited, two of the sites were in Akron, Ohio and the other two sites were in St. Paul, Minnesota. The two sites audited in Ohio were at East High School (AIRS 391530023) and Five Points (AIRS 391530017). The sites audited in St. Paul were at Red Rock Road (AIRS 271230047) and at 555 Cedar St. (AIRS 271230868).

On Tuesday, 7/6/99, an ESAT Field Scientist (FS) traveled to Akron, Ohio while the other FS traveled to St. Paul Minnesota.

On Wednesday, 6/7/99, the FS set up a sampler at each of the four sites with 1 problem at the Five Points site in Akron. While the FS was setting up sampler numbers 196 and 179 for the monthly collocation, sampler number 196 failed its external leak check. An internal leak check was performed that also failed. Many other corrective actions were performed, but the leak persisted. In respect for the state representative's time, the collocation was canceled and sampler number 196 was packed up and returned to the vehicle. All of the samplers were set up to run at midnight on Thursday local standard time. On Thursday the FS continued investigating the leak in the sampler, but the leak continued.

On Friday, 7/9/99, the filters were retrieved from all four audit sites and all of the data was collected and brought back to the field office for shipment to the Region 10 laboratory on Monday 7/12/99. Also on Friday, two large boxes were received from Andersen, it is believed that the boxes contain another audit sampler, but the boxes were stored in the laboratory and not opened due to the time constraints on the FS's. The boxes will be inventoried at the earliest availability by an ESAT FS. The contacts for the audits scheduled

Summary of Organic Data Review

Work Assignment N 05-99-03-07

TDF	PWO		Case	SAS	Data	Case	Num.	ESAT	TDF Dates		Labor Hours:		Comments		
Number	Number	Site Name	ST	No.	No.	Set #	Type	Smpl	Assignee	Assgnd	Due	Cmpltd	Est'd	Actual	
7783	2148	Triangle Properties	IL	27042	----	CADRE	ECSP8	13		06/24	07/01	07/07	12.0	22.5	Cmpltd
7784	2149	W. G. Krummitch	IL	26993	----	CADRE	ECRP0	16		06/24	07/01		16.0	10.0	In Prog
7785	2151	W. G. Krummitch	IL	----	99IE06	Dioxins	6S-51	16		06/25	07/09	07/09	12.0	15.0	Cmpltd
7786	2152	W. G. Krummitch	IL	26993	----	CADRE	ECRR7	19		06/25	07/02	07/07	16.0	17.5	Cmpltd
7787	2161	LAHR Dump	MN	27095	----	CADRE	ECFG3	4		07/01	07/09	07/09	5.0	7.0	Cmpltd
7788	2162	Galvan Manufacturing	IN	27045	----	CADRE	ECNH1	6		07/01	07/09		8.0	9.0	In Prog
7789	2163	Tar lake	MI	27089	----	CADRE	EAKE3	20		07/01	07/09	07/08	22.0	18.0	Cmpltd
7790	2164	Minneapolis Block 44	MN	27093	----	CADRE	ECFW9	11		07/01	07/09		13.0	2.0	In Prog
7791	2165	Triangle Properties	IL	27096	----	CADRE	ECSR0	20		07/01	07/09		22.0	3.0	In Prog
7791	2165	Triangle Properties	IL	27096	----	CADRE	ECSW0	2		07/01	07/09		4.0	1.0	In Prog
7792	2172	Tar Lake	MI	27089	----	CADRE	EAKM0	14		07/09	07/19		12.0		In Prog
7792	2172	Tar Lake	MI	27089	----	CADRE	ES747	20		07/09	07/19	07/08	16.0	12.0	Cmpltd
7792	2172	Tar Lake	MI	27089	----	CADRE	ESJ52	20		07/09	07/19		16.0		In Prog
7793	2173	Old Flora School	IN	27221	----	CADRE	ECNJ2	8		07/09	07/19		11.0		In Prog

Week Ending 07/11/99

Table 5. Summary of Inorganic Data Review. Week Ending 07/11/99.

Work Assignment No. 05-99-3-08

TDF Number	PWO Number	Site Name	ST	Case No.	SAS No.	Data Set #	C T	Num. Smpl	Review Type	Assgnd	TDF Dates		Labor Hours:		Comments
											Due	Cmplt'd	Est'd	Actual	
8575	2153	Swayne Robinson	IN	27044		MEBRA4		3	CADRE	06/28	07/06	07/08	4.0	4.0	Completed
8576	2154	Tar Lake	MI	27089		MEBF83		18	CADRE	06/28	07/06	07/08	14.0	13.0	Completed
8576	2154	Tar Lake	MI	27089		MEKA76		20	CADRE	06/28	07/06		15.0	9.0	In Progress
8576	2154	Tar Lake	MI	27089		MEKA93		20	CADRE	06/28	07/06	07/07	15.0	15.0	Completed
8578	2156	Tar Lake	MI	27115		MEKT21		20	CADRE	06/30	07/09		15.0		Assigned
8578	2156	Tar Lake	MI	27115		MEFD94		8	CADRE	06/30	07/09		8.0		Assigned
8578	2156	Tar Lake	MI	27115		MEKT39		19	CADRE	06/30	07/09		15.0	9.0	In Progress
8579	2157	Tar Lake	MI	27089		MEKA39		12	CADRE	06/30	07/09	07/08	10.0	9.0	Completed
8580	2158	Peters Cartridge	OH	26980		MEBRL4		16	CADRE	06/30	07/09	07/08	14.0	13.5	Completed
8581	2159	Swayne Robinson	IN	27044		MEBQZ8		15	CADRE	06/30	07/10		12.0		Assigned
8582	2160	Galvan Mfg.	IN	27045		MEBRC3		20	CADRE	06/30	07/10		15.0		Assigned
8582	2160	Galvan Mfg.	IN	27045		MEBRC7		2	CADRE	06/30	07/10		4.0		Assigned
8583	2166	Swede Hollow	MN	27119		MEBCY6		15	CADRE	07/06	07/13		12.0		Assigned
8584	2167	Laingsburg	MI	27112		MEBQM4		17	CADRE	07/06	07/13		14.0		Assigned
8585	2168	Valley Mould	MI	27041		MEBSC1		3	CADRE	07/06	07/13		3.0		Assigned
8586	2169	Tar Lake	MI	27115		MEKT24		6	CADRE	07/06	07/14		6.0		Assigned
8586	2169	Tar Lake	MI	27115		MEBF88		20	CADRE	07/06	07/14		13.0		Assigned
8586	2169	Tar Lake	MI	27115		MERE33		20	CADRE	07/06	07/14		13.0		Assigned
8587	2170	Valley Mould	MI	27041		MEBPF4		16	CADRE	07/06	07/14		13.0		Assigned
8588	2171	Swede Hollow	MN	27119		MEBDA1		15	CADRE	07/07	07/14		12.0		Assigned

to occur next week in Toledo, Dayton, and Portsmouth, Ohio, were notified and arrangements were made. New SOP for the PM 2.5 auditing manual section 5.01 was received. This section regarding assembly and disassembly of the audit sampler replaced the discarded old section that was discarded. The main change in the section was the instruction that the samplers are to now run from midnight to midnight local standard time instead of midnight to midnight local time. This SOP was reviewed by the ESAT FS's and included in the manual. The change was implemented at the beginning of the quarter which was 7/1/99 and will be observed in for all future sites.

TASK AREA II

2. Data Review

2.1 Organic Data Review (Work Assignment 05-99-3-07)

	# Cases Assigned	# Cases Carried over	# Cases Completed	# Cases In Progress
RAS	4	9	5	8
SAS	0	0	0	0
PRP	0	0	0	0
DXN	0	1	1	0
Total	4	10	6	8
No. Of Samples	62	127	92	97
EST. Hrs	55.0	130.0	83.0	102.0
LOE Used	12.0	86.5	92.0	25.0

Four RAS organic data cases (62 samples) were received for fast turnaround CADRE review and validation. Six data review narratives (92 samples) were submitted. Eight organic data cases (97 samples) will be carried over for completion of data review and validation.

The status of Organic Data Review is summarized in Table 4.

2.2 Inorganic Data Review (WA 05-99-3-08)

	# Cases Assigned	# Cases Carried over	# Cases Completed	# Cases In Progress
RAS	8	12	5	15
SAS	0	0	0	0

PRP	0	0	0	0
Total	8	12	5	15
No. Of Samples	112	173	69	216
EST. Hrs	86.0	141.0	57.0	170.0
LOE Used	0.0	44.0	54.5	18.0

Eight inorganic data cases (112 samples) were assigned for fast-turnaround CADRE review and validation. Twelve data cases (173 samples) were carried over for fast-turnaround CADRE review and validation. Fast-turnaround CADRE narratives were submitted for five data cases (69 samples). Fifteen inorganic cases (216 samples) are in progress for fast-turnaround CADRE review and validation.

The status of Inorganic Data Review is summarized in Table 5.

2.3 PE (QB) Sample Evaluation

There was no PE (QB) sample data package evaluation conducted during the week.

TASK AREA III

3. Logistical and Administrative Support

3.1 Data Coordination (Work Assignment 05-99-3-10):

Thirteen inorganic data cases and six organic data cases were received and processed by ESAT; there were 28 validated data cases copied and mailed to data users. Effort was directed toward maintaining files in the data custody room.

TASK AREA IV

4. QA/QC Support

4.1 QA Audits

Detailed raw data audits were performed by the analyst, task/group leader, QA/QC reviewer and/or ETM for the Byron Salvage monitoring well water samples (VOC cases 990084 and 990085), East Moline (PH) and Sauget Area I soil samples (ICP, Hg and CN) analytical data packages.

Manual and/or CADRE review narratives for TDFs for WA 05-99-3-07 and WA 05-99-3-08 were thoroughly audited by a peer data reviewer and/or the ESAT task leader.

4.2 SAS/SOP Review

SOP preparation and review activities are discussed in section 1.1 (Organic Analysis).

TASK AREA V

5.0 Training

There were no training activities conducted during the week.

TASK AREA VI

6. ESAT Team Management and Administration (WA 05-99-3-11):

Table 1: WA LOE Utilization as of 7/11/99

WA	Current LOE Hours	Work Plan LOE Hours	% LOE Used
05-99-3-01	795.3	2690	29.6
05-99-3-02	698.7	2690	26.0
05-99-3-03	1250.7	1793	69.8
05-99-3-04	2813.1	5379	52.3
05-99-3-05	1527.1	3586	42.6
05-99-3-06	327.0	897	36.5
05-99-3-07	2159.6	5379	40.1
05-99-3-08	1359.9	3586	37.9
05-99-3-09	896.0	1972	45.4
05-99-3-10	708.0	1972	35.9
05-99-3-11	1068.5	2330	45.9
05-99-3-12	0.0	0	NA
05-99-3-13	0.0	0	NA
05-99-3-14	1929.0	3586	53.8
Total	15532.9	35860	43.3%

As of 7/11/99, 44.8% of the option year 3 work days have occurred. For WAs 05-99-3-03, 05-99-3-04, 05-99-3-09, 05-99-3-11 and 05-99-3-14, actual LOE usage is currently greater than projected LOE usage. For WA 05-99-3-03 (Pesticide/PCB Analysis), actual LOE usage is about 161% of projected LOE usage; 75% of the WA authorized LOE hours will probably be expended by the end of July. For WA 05-99-3-14 (PM_{2.5} FRM PEP Field Support Service), an additional 700-800 LOE hours will probably be required for option year 3. For WAs 05-99-3-01, 05-99-3-02, 05-99-3-05, 05-99-3-06, 05-99-3-07, 05-99-3-08 and 05-99-3-10, actual LOE usage is currently less than projected LOE usage.

Table 2. Summary of Organic Analysis

TDF	PWO	Site Name	Samples	Matrix	Date	Date	Date	Est.	Actual	%	Comments
Number	Number				Asgnd	Due	Completed	Hrs.	Hrs.		
Semivolatile Analysis 05-99-3-01								2690.0	819.1	30%	
1095	1001	Instrument Maintenance-Organic	—	—	02/01	07/30		350.0	140.5	40%	In Progress
0000	1003	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
1096	1023	Gorney Property	40	Soil/Water	02/01	02/20	02/19	60.0	116.0	193%	Complete
1097	1036	March PE	1	Water	03/01	03/15	03/24	40.0	22.5	56%	Complete
1098	1037	East Moline BF	5	Soil/Water	03/01	04/15	03/18-04/05	60.0	52.8	88%	Complete
1099	1045	MDL & P&A Studies	—	—	03/08	04/02	04/02	80.0	79.5	99%	Complete
1100	1050	Midwest Rubber	3	Soil	03/29	04/16	04/09	30.0	45.0	150%	Complete
0000	4006	SVOC SOP Review	—	—	04/01	01/31		80.0	40.5	51%	In Progress
1101	1056	April PE	1	Water	04/12	04/22	04/23	12.0	21.5	179%	Complete
1102	1063	Former Sears Retail Store	29/10	Soil/Water	04/28	05/20	05/14	120.0	123.5	103%	Complete
1103	1069	May PE	1	Water	05/05	05/22	06/03	16.0	8.0	50%	Complete
1104	1076	1737 Jefferson Trenton	28/11	Soil/Water	05/07	05/27	06/10	180.0	94.0	52%	Complete
1105	1089	QB3-FY99	3	Water/Soil	06/07	06/21	06/23	20.0	23.2	116%	Complete
1106	5012	Pollution Prevention Training	—	—	06/09	06/09	06/09	20.0	12.3	62%	Complete
1107	1092	June PE	1	Water	06/14	06/24	06/18	20.0	12.5	63%	Complete
0000	4007	Organic Analysis QA	—	—	06/22	06/29		24.0	25.8	108%	In Progress
Volatile Analysis 05-99-3-02								2690.0	688.2	26%	
0000	1004	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
2116	1024	Gorney Property	40	Soil/Water	02/01	02/26	02/10	40.0	47.5	119%	Complete
2117	1029	QB1-FY99	2	Water	02/01	02/12	02/12	6.0	7.0	117%	Complete
2118	1030	January PE	1	Water	02/01	02/12	02/12	6.0	7.5	125%	Complete
2119	1038	East Moline BF	2	Water	03/01	03/16	03/08	16.0	22.0	138%	Complete
2120	1039	March PE	1	Water	03/02	03/16	03/11	12.0	11.0	92%	Complete
2121	1051	Midwest Rubber	3	Soil	03/29	04/12	04/08	15.0	14.0	93%	Complete
2122	1053	Old Mill	23	Water	04/01	04/21	04/09	48.0	26.5	55%	Complete
2123	1054	Autosampler Archon Analysis	—	—	04/07	04/14	04/16	40.0	48.5	121%	Complete
2124	1057	April PE	1	Water	04/12	04/26	04/13	10.0	9.5	95%	Complete
2125	1064	Former Sears Retail Store	8	Water	04/28	05/12	05/04	24.0	21.5	90%	Complete
2126	1067	403 W. 138th Street	8	Soil	04/30	05/13	05/26	24.0	103.0	429%	Complete
2127	1070	CAM-OR	61	Water	05/06	05/20	05/20	120.0	65.0	54%	Complete
2128	1077	1737 Jefferson Trenton	28/17	Soil/Water	05/07	05/26	05/27	90.0	85.5	95%	Complete
2129	1081	W. G. Krummitch	16	Soil	05/13	05/27	6/2-6/9	15.0	64.0	427%	Complete
2130	1083	Weston Lion Landfill	14	Soil	05/18	05/31	6/2-6/8	30.0	70.5	235%	Complete
2131	1085	Interlake Properties	26	Soil	04/30	05/27	06/01	56.0	29.5	53%	Complete
2132	1090	QB3-FY99	2	Water	06/09	06/23	06/14	12.0	10.0	83%	Complete
2133	1093	May & June PE	2	Water	06/11	06/25	06/17	12.0	12.2	102%	Complete
2134	1098	Kenny Morrison	7	Water	06/17	07/01	06/24	24.0	24.0	100%	Complete
2135	1101	Byron Salvage	26	Water	06/29	07/13	07/08	50.0	4.0	8%	Complete
2136	1104	Byron Salvage	7	Water	07/01	07/14	07/08	15.0	4.0	27%	Complete
Pesticides/PCB 05-99-3-03								1793.0	1172.2	65%	
0000	1005	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress
3104	1025	Gorney Property	100	Soil/Water	02/01	02/25	03/18	60.0	206.5	344%	Complete
3105	1026	QB1-FY99/PE	4	Water/Soil	02/01	02/25	02/18	16.0	42.5	266%	Complete
3106	1032	GC/ECD 8 Maint/Dev.	—	—	02/09	02/26	06/15	40.0	86.0	215%	Complete
3107	1043	March PE	1	Water	03/05	03/26	03/25	16.0	25.0	156%	Complete
3108	1052	Midwest Rubber	3	Soil	03/30	04/13	04/22	30.0	60.0	200%	Complete
3109	1058	April PE	1	Water	04/12	04/30	04/22	12.0	15.0	125%	Complete
3110	1062	Precision and Accuracy	—	—	04/26	05/21	06/15	40.0	163.5	409%	Complete
3111	1065	Former Sears Retail Store	8/2	Soil/Water	04/28	05/12	05/20	40.0	36.0	90%	Complete
3112	1074	May PE	1	Water	05/06	05/24	06/02	12.0	3.5	29%	Complete
3113	1078	1737 Jefferson Trenton	28/11	Soil/Water	05/07	06/02	6/8-05/28	180.0	166.5	93%	Complete
3114	1087	North Branch of Chicago River	69	Soil	06/02	07/15		400.0	266.7	67%	In Progress
3115	1091	QB3-FY99/June PE	3	Water/Soil	06/09	06/23	06/23-07/01	20.0	50.0	250%	Complete
3116	1105	Dead Creek Area G	13	Soil	07/02	07/08		78.0	49.5	63%	In Progress
Field Analytical Support 05-99-3-05								3586.0	1527.1	43%	

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
0000	1006	Prepare Work Plan	-----	-----	02/01	01/31		40.0	1.5	4%	In progress
0000	1014	FASP Instrument Maint.	-----	-----	02/01	01/31		500.0	56.5	11%	In progress
5060	1027	East Moline Brownfields	175	Soil/Water	02/01	03/19	05/14	800.0	781.2	98%	Complete
5061	1028	East Moline Brownfields	GP	GP	02/16	02/26	02/26	90.0	88.5	98%	Complete
5063	1031	Gomey Property	40	Soil/Water	02/01	02/22	02/26	160.0	200.5	125%	Complete
5064	5001	Geoprobe Training	-----	-----	02/10	02/10	02/10	8.0	8.0	100%	Complete
0000	4001	Review & Revise SOP	-----	-----	03/01	04/30		120.0	123.0	103%	In progress
5065	5002	Field H&S Training	-----	-----	03/02	06/02	05/21	56.0	59.0	105%	Complete
5066	1044	East Moline Brownfields	GP	GP	03/08	03/10	03/09	30.0	21.0	70%	Complete
5067	1048	Altgeld Gardens	4	Soil	03/24	04/07	04/01	60.0	135.9	227%	Complete
5068	1060	Vandalia, IL BF	GP	GP	04/19	04/23	04/22	40.0	41.0	103%	Complete
5069	1079	Michigan Chrome & Chem.	GP	GP	06/14	06/18	06/04	40.0	0.0	0%	Canceled
5070	1102	Michigan Chrome & Chem.	GP	GP	07/21	07/23		24.0	0.0	0%	In progress
5071	1103	Trenton Brownfield	GP	GP	07/12	07/20		56.0	11.0	20%	In progress

Table 3. Summary of Inorganic Analysis. Week Ending 07/11/99.

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
Work Assignment No. 05-99-3-04										
5104-238 51-086	QB3 FY99 990072	1 W 1 S	ICP GFAA Hg CN	06/01	06/30	06/23 07/01 07/08 06/24	40.0	61.7	RD SC/MM MM/JG ST	Completed Completed Completed Completed
5104-239 51-088	Cross Brothers 990074	9 W	ICP GFAA Hg	06/07	07/06	06/24 07/01	90.0	68.0	RD MM/SC MM/JG	Completed Completed In Progress
5104-240 51-094	Lahr Dump 990080	3 W	ICP GFAA Hg	06/11	07/09	06/24 06/24	40.0	35.1	RD MM/SC MM/JG SC	Completed In Progress In Progress Completed
5104-241 51-095	June Reswell PE 990079	1 W	ICP GFAA CN	06/11	06/30	06/24 06/24	20.0	17.5	RD MM/SC SC	Completed In Progress Completed
5104-243 51-097	Tar Lake 990081	13 W	ICP GFAA Hg CN	06/17	07/01	06/29 06/30	150.0	78.0	RD MM/SC MM/JG SC	Completed In Progress In Progress Completed
5104-244 51-100	East Moline Brownfield Site 990083	4 S	Mn-ICP pH	06/24	07/09	06/29 07/09	25.0	38.0	RD ST	Completed Completed
5104-245 51-106	Sauget Area I - Dead Creek 990086	13 S	ICP GFAA Hg CN	07/02	07/08	07/08 07/08 07/08	130.0	67.6	RD SC MM ST	Completed In Progress Completed Completed
5104-246 51-107	Byron Salvage 990087	4 W	ICP GFAA Hg CN	07/07	08/05		40.0	14.0	RD SC/MM MM ST	In Progress In Progress In Progress In Progress
5104-247 51-108	July Reswell PE 990090	1 W	ICP GFAA CN	07/07	07/30		12.0	5.0	RD SC/MM ST	In Progress In Progress In Progress
5104-248 51-110	Sam Winer 990091	6 W	ICP GFAA Hg CN	07/09	08/09		60.0		RD SC/MM MM ST	Assigned Assigned Assigned Assigned

Lockheed Martin Services Group
Environmental Services & Technologies Region 5
536 South Clark Street #1050 Chicago, IL 60605
Telephone 312-353-8302 Facsimile 312-353-8307

7/23/99
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LOCKHEED MARTIN 

**ENVIRONMENTAL SERVICES ASSISTANCE TEAM
U.S. EPA REGION V**

EPA Contract 68-D60002

WEEKLY PROGRESS REPORT

12 July through 18 July 1999

Submitted to:

**Jay Thakkar
ESAT Regional Project Officer
U.S. EPA Region V
Superfund Division Contract Management Section
77 West Jackson Blvd.
Chicago, IL 60604**

Submitted by:

**Dennis Miller, Ph.D.
ESAT Team Manager
Lockheed Martin Services Group
536 South Clark Street
Chicago, IL 60605**

- I. WA/TDF Project Work
- II. Health and Safety
- III. Section Reports

TASK AREA I

- 1. Laboratory Analysis
 - 1.1 Organic
 - 1.1.1 SVOC Analysis (WA 05-99-3 -01)
 - 1.1.2 VOC Analysis (WA 05-99-3-02)
 - 1.1.3 Pesticide/PCB Analysis (WA 05-99-3-03)
 - 1.2 Inorganic Analysis (WA 05-99-3-04)
 - 1.3 Biology and Toxicity Testing (WA 05-99-3-06)
 - 1.4 Field Analytical Support Program (WA 05-99-3-05)
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TASK AREA II

- 2. Data Review
 - 2.1 Organic (WA 05-99-3-07)
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 - 2.3 PE (QB) Sample Evaluation

TASK AREA III

- 3. Logistical and Administrative Support
 - 3.1 Data Coordination (WA 05-99-3-10)

TASK AREA IV

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 - 4.1 QA Audit
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TASK AREA V

- 5. Training

TASK AREA VI

- 6. ESAT Team Management and Administration (WA 05-99-3-11)

INTRODUCTION

This Weekly Progress Report summarizes ESAT Region V activity for the period 12 July through 18 July 1999.

I. TDF Project Work

ESAT received 19 new technical direction forms (TDFs) during this reporting period. Progress on individual WAs or TDFs is described in Section III.

<u>Work Assignment</u>	<u># TDFs</u>
05-99-3-01	1
05-99-3-02	3
05-99-3-03	1
05-99-3-04	2
05-99-3-07	6
05-99-3-08	6

II. Health and Safety

No accidents or incidents were reported this week.

III. Section Reports

TASK AREA I

1. Laboratory Analysis

1.1 Organic Analysis

SVOC Analysis (WA 05-99-3-01):

A residential well water Performance Evaluation (PE) sample was received for low-level SVOC analysis on July 13, 1999 (TDF 5101-108); Liquid/liquid extractions for the PE sample will be initiated next week.

VOC Analysis (WA 05-99-3-02):

A residential well water Performance Evaluation (PE) sample was received for VOC analysis on July 13, 1999 (TDF 5102-137). GC/MS analyses were completed for the PE sample; the VOC analytical data package will be submitted next week.

Twenty-one John Deere Plow (IL) soil samples were received for low level VOC analysis using SW846 Method 5035 on July 13, 99 (TDF 5102-138); the Encore soil plugs were preserved with sodium bisulfate solution. Low level GC/MS analyses were initiated for the 21 soil samples.

Twenty-three Detroit School Board (MI) methanol preserved soil samples were received for medium level VOC analysis using SW846 Method 5035 on July 13, 1999 (TDF 5102-139); medium level GC/MS analysis will be initiated for the 23 soil samples next week.

Pesticide/PCB Analysis (WA 05-99-3-03):

Data package preparations are in progress for the 69 North Branch of the Chicago River soil sample extracts (TDF 5103-114). The Chicago River analytical data will be divided into two packages of 20 samples each and one package of 29 samples. ESAT anticipates that the three packages will be submitted next week.

GC/ECD analyses were completed for the 13 Sauget Area I sediment samples; the pesticides/PCB analytical data package for the Sauget Area I sediment samples was submitted ahead of schedule on July 15, 1999 (TDF 5103-116).

A residential well water Performance Evaluation (PE) sample was received for pesticides/PCB analysis on July 13, 1999 (TDF 5103-117); Liquid/liquid extractions for the PE sample will be initiated next week.

The status of Organic Analysis is summarized in Table 2.

1.2 Inorganic Analysis (Work Assignment 05-99-3-04):

The Hg analytical data package for the soil quarterly blind (QB3 FY99, TDF 5104-238) sample was submitted on July 8, 1999; all analytical work for this task is complete.

The Hg analytical data package for the nine water samples from the Cross Brothers site (TDF 5104-239) was submitted on July 12, 1999; all analytical work for this task is complete.

The GFAA and Hg analytical data packages for the three water samples from Lahr Dump (TDF 5104-240) were submitted on July 12, 1999; all analytical work for this task is complete.

The GFAA analytical data package for the reswell performance evaluation sample (TDF 5104-241) was submitted on July 12, 1999; all analytical work for this task is complete.

The GFAA and Hg analytical data packages for the 13 water samples from Tar Lake (TDF 5104-243) were submitted on July 12, 1999; all analytical work for this task is complete.

The GFAA analytical data package for the 13 soil samples from Sauget Area I (TDF 5104-

245) was submitted on July 13, 1999; all analytical work for this task is complete.

The CN analytical data package for the four water samples from Byron Salvage (TDF 5104-246) was submitted ahead of schedule on July 14, 1999; ICP analyses for the Byron Salvage samples were completed and the deliverable's package is undergoing an internal audit.

The CN analytical data package for the residential well performance evaluation sample (TDF 5104-247) was submitted ahead of schedule on July 14, 1999; the ICP analyses were completed and the deliverable's package is undergoing an internal audit.

ICP and CN analyses for the six water samples from the Sam Winer site (TDF 5104-248) were completed and the deliverable's packages are undergoing an internal audit.

Four water samples from Sportsman Park (TDF 5104-249) were assigned for ICP, GFAA, Hg and CN analysis. The samples were digested for ICP metals.

Five water samples from the Thomas Sherman site (TDF 5104-250) were assigned for ICP, GFAA, Hg and CN analysis. The samples were distilled and analyzed for CN; the spike recovery was found to be low, so the samples will be redistilled and reanalyzed next week. The samples were also digested for ICP metals.

The status of Inorganic Analysis is summarized in Table 3.

1.3 Biology and Toxicity Testing (WA 05-99-3-06):

One Seed Germination reference toxicity test (#48) was initiated on Wednesday, July 14, 1999. One Root Elongation reference toxicity test (#93) was initiated on Thursday, July 15, 1999. Earthworm culturing is in progress.

1.4 Field Analytical Support Program (WA 05-99-3-05):

An ESAT FASP organic analytical chemist provided technical support at the Wayne County Brownfield sites in the operation of an Agency drill rig (TDF 5105-071). Geoprobe work was done at two Brownfield sites. At the Detroit School Board site, 28 holes to a depth of 12 feet were generated. Five attempts of collecting groundwater samples were completed; however, none of the spot wells had sufficient volume to generate a water sample. At the Milton Hospital site, three borings were completed, one at eight feet, one to four feet and the third to 16 feet. The FASP chemist is scheduled to return to the Wayne County Brownfields sites on Monday and Tuesday of next week.

The ESAT FASP chemist will provide technical support at the Michigan Chrome Removal site on Wednesday, Thursday and Friday (TDF 5105-070).

1.5 Laboratory Support Services (WA 05-99-3-09):

Glassware from the biology and inorganic/organic chemistry labs was efficiently and effectively collected, washed, rinsed, dried and returned to the labs in a timely manner. CRL

labs 1019, 1024, 1025, 1030, 1031, 1032, 1036, 1039 and 1042 were proficiently cleaned.

1.6 PM_{2.5} FRM EP Field Support Services (WA 05-99-3-14)

Last week seven PM_{2.5} sites were audited. Two of the sites were in Dayton, Ohio; two of the sites were in Toledo, Ohio; one site was in Portsmouth, Ohio and two sites were in Gary, Indiana. The two sites audited in Dayton were at Wright School (AIRS 391130031) and at the Conservancy (AIRS 391130014). The two sites audited in Toledo were at Collins Park (AIRS 390950008) and at 348 South Erie St. (AIRS 390950024). The site audited in Portsmouth was at New Boston Coke (AIRS 391450013). The two sites audited in Gary were at the Gary Federal Building (AIRS 180891016) and at Ivanhoe school (AIRS 180891003).

On Monday, 7/12/99, both ESAT Field Scientists (FS) spent time in the field office doing preparatory tasks and then one FS traveled to Toledo, Ohio.

On Tuesday, 7/13/99, one FS traveled to Dayton and set up samplers at each of the sites while the other FS set up a sampler at each of the Toledo sites.

On Wednesday, 7/14/99, audits were conducted at the four sites. Also on Wednesday, Gary Mongeau, from Lockheed Martin Safety Office contacted an ESAT FS. He notified the FS that he will be in Chicago on August 19, 1999 and would like to give a safety seminar on falls and fall protection equipment. Since Xiang Zhu has an audit scheduled for that date, the training will be given to the other two FS's and then this information will be passed along to him as soon afterward as possible. Also on Wednesday, the sampler marked 196, which was leaking last week, was fixed and returned to the active sampler group.

On Thursday 7/15/99, one FS retrieved the filter and data from the two Toledo sites without any problems noted, shipped the samples to the Region 10 laboratory and traveled back to the office. The other FS retrieved the filter and data and also shipped the samples out to the Region 10 laboratory. This FS then drove out to Portsmouth, Ohio and set up an audit sampler to run from midnight to midnight on Saturday at the New Boston Coke site. At this site the monthly collocation was performed.

On Friday, 7/16/99, the FS working in Portsmouth returned to the ESAT Chicago office while the other FS traveled to Gary, Indiana to set up his two samplers at the Ivanhoe School and at the Gary Federal Building. These sites were to be audited from midnight to midnight on Saturday. At this site the other monthly collocation was performed. The samples from New Boston Coke and the two sites in Indiana were to be collected on Monday, July 19, 1999.

During the week ESAT also received 20 filters from the Region 10 Laboratory along with 4 ice packs. ESAT was notified that a leased vehicle, for the FS use in the field, was in and ready for pick up from a local dealership. This must be done in the middle of next week due to the timing of the weeks audits. The contact for the audits scheduled to occur next week in Ogden Dunes and Hammond, Indiana, was notified and arrangements were made.

TASK AREA II

2. Data Review

2.1 Organic Data Review (Work Assignment 05-99-3-07)

	# Cases Assigned	# Cases Carried over	# Cases Completed	# Cases In Progress
RAS	10	8	9	9
SAS	0	0	0	0
PRP	0	0	0	0
DXN	0	0	0	0
Total	10	8	9	9
No. Of Samples	132	97	122	107
EST. Hrs	105.0	102.0	100.5	102.0
LOE Used	59.0	62.5	91.5	46.5

Seven RAS organic data cases (91 samples) were received for fast turnaround CADRE review and three Low-Conc. RAS organic data cases (41 samples) were received for review and validation. Nine data review narratives (122 samples) were submitted. Nine organic data cases (107 samples) will be carried over for completion of data review and validation.

The status of Organic Data Review is summarized in Table 4.

2.2 Inorganic Data Review (WA 05-99-3-08)

	# Cases Assigned	# Cases Carried over	# Cases Completed	# Cases In Progress
RAS	8	15	11	12
SAS	0	0	0	0
PRP	0	0	0	0
Total	8	15	11	12
No. Of Samples	109	216	158	167
EST. Hrs	91.0	170.0	123.0	138.0
LOE Used	11.0	107.5	101.0	35.5

Eight inorganic data cases (109 samples) were assigned for fast-turnaround CADRE review and validation. Fifteen data cases (216 samples) were carried over for fast-turnaround CADRE review and validation. Fast-turnaround CADRE narratives were submitted for 11 data cases (158 samples). Twelve inorganic cases (167 samples) are in progress for fast-turnaround CADRE review and validation.

The status of Inorganic Data Review is summarized in Table 5.

2.3 PE (QB) Sample Evaluation

There was no PE (QB) sample data package evaluation conducted during the week.

TASK AREA III

3. Logistical and Administrative Support

3.1 Data Coordination (Work Assignment 05-99-3-10):

Nine inorganic data cases and 17 organic data cases were received and processed by ESAT; there were 18 validated data case copied and mailed to data users. Effort was directed toward maintaining files in the data custody room.

TASK AREA IV

4. QA/QC Support

4.1 QA Audits

Detailed raw data audits were performed by the analyst, task/group leader, QA/QC reviewer and/or ETM for the Sauget Area I sediment samples (pesticides/PCBs, GFAA), soil quarterly blind (QB3 FY99, Hg), Cross Brothers (Hg), Lahr Dump (GFAA and Hg), reswell performance evaluation sample (GFAA, CN), Tar Lake (GFAA and Hg) and the Byron Salvage (CN) analytical data packages.

Manual and/or CADRE review narratives for TDFs for WA 05-99-3-07 and WA 05-99-3-08 were thoroughly audited by a peer data reviewer and/or the ESAT task leader.

4.2 SAS/SOP Review

There were no SAS/SOP reviews conducted during the week.

TASK AREA V

5.0 Training

There were no training activities conducted during the week.

TASK AREA VI

6. ESAT Team Management and Administration (WA 05-99-3-11):

Table 1: WA LOE Utilization as of 7/18/99

WA	Current LOE Hours	Work Plan LOE Hours	% LOE Used
05-99-3-01	804.8	2690	29.9
05-99-3-02	751.5	2690	27.9
05-99-3-03	1328.7	1793	74.1
05-99-3-04	2883.1	5379	53.6
05-99-3-05	1573.1	3586	43.9
05-99-3-06	332.0	897	37.0
05-99-3-07	2275.9	5379	42.3
05-99-3-08	1472.5	3586	41.1
05-99-3-09	935.0	1972	47.4
05-99-3-10	739.0	1972	37.5
05-99-3-11	1134.0	2330	48.7
05-99-3-12	0.0	0	NA
05-99-3-13	0.0	0	NA
05-99-3-14	2010.0	3586	56.1
Total	16239.6	35860	45.3%

As of 7/18/99, 46.8% of the option year 3 work days have occurred. For WAs 05-99-3-03, 05-99-3-04, 05-99-3-09, 05-99-3-11 and 05-99-3-14, actual LOE usage is currently greater than projected LOE usage. For WA 05-99-3-03 (Pesticide/PCB Analysis), actual LOE usage is about 158% of projected LOE usage; 75% of the WA authorized LOE hours has been expended. For WA 05-99-3-14 (PM_{2.5} FRM PEP Field Support Service), an additional 700-800 LOE hours will probably be required for option year 3. For WAs 05-99-3-01, 05-99-3-02, 05-99-3-05, 05-99-3-06, 05-99-3-07, 05-99-3-08 and 05-99-3-10, actual LOE usage is currently less than projected LOE usage.

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
Semivolatile Analysis 05-99-3-01								2690.0	828.6	31%	
1095	1001	Instrument Maintenance-Organic	—	—	02/01	07/30		350.0	150.0	43%	In Progress
0000	1003	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
1096	1023	Gomey Property	40	Soil/Water	02/01	02/20	02/19	60.0	116.0	193%	Complete
1097	1036	March PE	1	Water	03/01	03/15	03/24	40.0	22.5	56%	Complete
1098	1037	East Moline BF	5	Soil/Water	03/01	04/15	03/18-04/05	60.0	52.8	88%	Complete
1099	1045	MDL & P&A Studies	—	—	03/08	04/02	04/02	80.0	79.5	99%	Complete
1100	1050	Midwest Rubber	3	Soil	03/29	04/16	04/09	30.0	45.0	150%	Complete
0000	4006	SVOC SOP Review	—	—	04/01	01/31		80.0	40.5	51%	In Progress
1101	1056	April PE	1	Water	04/12	04/22	04/23	12.0	21.5	179%	Complete
1102	1063	Former Sears Retail Store	29/10	Soil/Water	04/28	05/20	05/14	120.0	123.5	103%	Complete
1103	1069	May PE	1	Water	05/05	05/22	06/03	16.0	8.0	50%	Complete
1104	1076	1737 Jefferson Trenton	28/11	Soil/Water	05/07	05/27	06/10	180.0	94.0	52%	Complete
1105	1089	QB3-FY99	3	Water/Soil	06/07	06/21	06/23	20.0	23.2	116%	Complete
1106	5012	Pollution Prevention Training	—	—	06/09	06/09	06/09	20.0	12.3	62%	Complete
1107	1092	June PE	1	Water	06/14	06/24	06/18	20.0	12.5	63%	Complete
0000	4007	Organic Analysis QA	—	—	06/22	06/29		24.0	25.8	108%	In Progress
1108	1109	July PE	1	Water	07/13	07/27		16.0	0.0	0%	In Progress
Volatile Analysis 05-99-3-02								2690.0	717.2	27%	
0000	1004	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In Progress
2116	1024	Gomey Property	40	Soil/Water	02/01	02/26	02/10	40.0	47.5	119%	Complete
2117	1029	QB1-FY99	2	Water	02/01	02/12	02/12	6.0	7.0	117%	Complete
2118	1030	January PE	1	Water	02/01	02/12	02/12	6.0	7.5	125%	Complete
2119	1038	East Moline BF	2	Water	03/01	03/16	03/08	16.0	22.0	138%	Complete
2120	1039	March PE	1	Water	03/02	03/16	03/11	12.0	11.0	92%	Complete
2121	1051	Midwest Rubber	3	Soil	03/29	04/12	04/08	15.0	14.0	93%	Complete
2122	1053	Old Mill	23	Water	04/01	04/21	04/09	48.0	26.5	55%	Complete
2123	1054	Autosampler Archon Analysis	—	—	04/07	04/14	04/16	40.0	48.5	121%	Complete
2124	1057	April PE	1	Water	04/12	04/26	04/13	10.0	9.5	95%	Complete
2125	1064	Former Sears Retail Store	8	Water	04/28	05/12	05/04	24.0	21.5	90%	Complete
2126	1067	403 W. 138th Street	8	Soil	04/30	05/13	05/26	24.0	103.0	429%	Complete
2127	1070	CAM-OR	61	Water	05/06	05/20	05/20	120.0	65.0	54%	Complete
2128	1077	1737 Jefferson Trenton	28/17	Soil/Water	05/07	05/26	05/27	90.0	85.5	95%	Complete
2129	1081	W. G. Krummitch	16	Soil	05/13	05/27	6/2-6/9	15.0	64.0	427%	Complete
2130	1083	Weston Lion Landfill	14	Soil	05/18	05/31	6/2-6/8	30.0	70.5	235%	Complete
2131	1085	Interlake Properties	26	Soil	04/30	05/27	06/01	56.0	29.5	53%	Complete
2132	1090	QB3-FY99	2	Water	06/09	06/23	06/14	12.0	10.0	83%	Complete
2133	1093	May & June PE	2	Water	06/11	06/25	06/17	12.0	12.2	102%	Complete
2134	1098	Kenny Morrison	7	Water	06/17	07/01	06/24	24.0	24.0	100%	Complete
2135	1101	Byron Salvage	26	Water	06/29	07/13	07/08	50.0	4.0	8%	Complete
2136	1104	Byron Salvage	7	Water	07/01	07/14	07/08	15.0	4.0	27%	Complete
2137	1111	July PE	1	Water	07/13	07/27		10.0	5.5	55%	In progress
2138	1113	John Deere Plow	21	Water	07/13	07/27		60.0	23.5	39%	In progress
2139	1116	Detroit School Board	23	Soil-M	07/16	07/30		60.0	0.0	0%	In progress
Pesticides/PCB 05-99-3-03								1793.0	1245.7	69%	
0000	1005	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress
3104	1025	Gomey Property	100	Soil/Water	02/01	02/25	03/18	60.0	206.5	344%	Complete
3105	1026	QB1-FY99/PE	4	Water/Soil	02/01	02/25	02/18	16.0	42.5	266%	Complete
3106	1032	GC/ECD 8 Maint/Dev.	—	—	02/09	02/26	06/15	40.0	86.0	215%	Complete
3107	1043	March PE	1	Water	03/05	03/26	03/25	16.0	25.0	156%	Complete
3108	1052	Midwest Rubber	3	Soil	03/30	04/13	04/22	30.0	60.0	200%	Complete
3109	1058	April PE	1	Water	04/12	04/30	04/22	12.0	15.0	125%	Complete
3110	1062	Precision and Accuracy	—	—	04/26	05/21	06/15	40.0	163.5	409%	Complete
3111	1065	Former Sears Retail Store	8/2	Soil/Water	04/28	05/12	05/20	40.0	36.0	90%	Complete
3112	1074	May PE	1	Water	05/06	05/24	06/02	12.0	3.5	29%	Complete
3113	1078	1737 Jefferson Trenton	28/11	Soil/Water	05/07	06/02	6/8-05/28	180.0	166.5	93%	Complete
3114	1087	North Branch of Chicago River	69	Soil	06/02	07/15		400.0	315.7	79%	In Progress
3115	1091	QB3-FY99/June PE	3	Water/Soil	06/09	06/23	06/23-07/01	20.0	50.0	250%	Complete
3116	1105	Dead Creek Area G	13	Soil	07/02	07/08	07/15	78.0	74.0	95%	Complete

Table 2. Summary of Organic Analysis

TDF Number	PWO Number	Site Name	Samples	Matrix	Date Asgnd	Date Due	Date Completed	Est. Hrs.	Actual Hrs	%	Comments
3117	1112	July PE	1	Water	07/12	07/27		16.0	0.0	0%	In progress
Field Analytical Support 05-99-3-05								3586.0	1572.6	44%	
0000	1006	Prepare Work Plan	—	—	02/01	01/31		40.0	1.5	4%	In progress
0000	1014	FASP Instrument Maint.	—	—	02/01	01/31		500.0	58.0	12%	In progress
5060	1027	East Moline Brownfields	175	Soil/Water	02/01	03/19	05/14	800.0	781.2	98%	Complete
5061	1028	East Moline Brownfields	GP	GP	02/16	02/26	02/26	90.0	88.5	98%	Complete
5063	1031	Gomey Property	40	Soil/Water	02/01	02/22	02/26	160.0	200.5	125%	Complete
5064	5001	Geoprobe Training	—	—	02/10	02/10	02/10	8.0	8.0	100%	Complete
0000	4001	Review & Revise SOP	—	—	03/01	04/30		120.0	123.0	103%	In progress
5065	5002	Field H&S Training	—	—	03/02	06/02	05/21	56.0	59.0	105%	Complete
5066	1044	East Moline Brownfields	GP	GP	03/08	03/10	03/09	30.0	21.0	70%	Complete
5067	1048	Altgeld Gardens	4	Soil	03/24	04/07	04/01	60.0	135.9	227%	Complete
5068	1060	Vandalia, IL BF	GP	GP	04/19	04/23	04/22	40.0	41.0	103%	Complete
5069	1079	Michigan Chrome & Chem.	GP	GP	06/14	06/18	06/04	40.0	0.0	0%	Canceled
5070	1102	Michigan Chrome & Chem.	GP	GP	07/21	07/23		24.0	0.0	0%	In progress
5071	1103	Trenton Brownfield	GP	GP	07/12	07/20		56.0	55.0	98%	In progress

Table 3. Summary of Inorganic Analysis. Week Ending 07/18/99.

TDF or Charge Number	Site Name	Samples	Analysis	Date Asgnd	Date Due	Date Completed	Est. Hrs.	ESAT Hrs	Analyst	Comments
Work Assignment No. 05-99-3-04										
5104-238 51-086	QB3 FY99 990072	1 W 1 S	ICP GFAA Hg CN	06/01	06/30	06/23 07/01 07/08 06/24	40.0	63.2	RD SC/MM MM/JG ST	Completed Completed Completed Completed
5104-239 51-088	Cross Brothers 990074	9 W	ICP GFAA Hg	06/07	07/06	06/24 07/01 07/12	90.0	68.0	RD MM/SC MM/JG	Completed Completed Completed
5104-240 51-094	Lahr Dump 990080	3 W	ICP GFAA Hg CN	06/11	07/09	06/24 07/12 07/12 06/24	40.0	35.1	RD MM/SC MM/JG SC	Completed Completed Completed Completed
5104-241 51-095	June Reswell PE 990079	1 W	ICP GFAA CN	06/11	06/30	06/24 07/12 06/24	20.0	17.5	RD MM/SC SC	Completed Completed Completed
5104-243 51-097	Tar Lake 990081	13 W	ICP GFAA Hg CN	06/17	07/01	06/29 07/12 07/12 06/30	150.0	78.0	RD MM/SC MM/JG SC	Completed Completed Completed Completed
5104-245 51-106	Sauget Area I - Dead Creek 990086	13 S	ICP GFAA Hg CN	07/02	07/08	07/08 07/13 07/08 07/08	130.0	80.1	RD SC MM ST	Completed Completed Completed Completed
5104-246 51-107	Byron Salvage 990087	4 W	ICP GFAA Hg CN	07/07	08/05	07/14	40.0	22.5	RD SC/MM MM ST	In Progress In Progress In Progress Completed
5104-247 51-108	July Reswell PE 990090	1 W	ICP GFAA CN	07/07	07/30	07/14	12.0	10.5	RD SC/MM ST	In Progress In Progress Completed
5104-248 51-110	Sam Winer 990091	6 W	ICP GFAA Hg CN	07/09	08/09		60.0	28.0	RD SC/MM MM ST	In Progress In Progress In Progress In Progress
5104-249 51-114	Sportsman Park 990093	4 W	ICP GFAA Hg CN	07/16	08/16		40.0	2.5	RD SC/MM MM SC	In Progress In Progress In Progress In Progress
5104-250 51-115	Thomas Sherman 990094	5 W	ICP GFAA Hg CN	07/16	07/28		50.0	10.5	RD SC/MM MM SC	In Progress In Progress In Progress In Progress

Summary of Organic Data Review

Work Assignment N 05-99-03-07

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TDF	PWO			Case	SAS Data	Case	Num.	ESAT		TDF Dates		Labor Hours:		Comments
Number	Number	Site Name	ST	No.	No. Set #	Type	Smpl	Assignee	Assgnd	Due	Cmpltd	Est'd	Actual	
=====														
7784	2149	W. G. Krummitch	IL	26993	----	CADRE ECRP0	16	IW	06/24	07/01		16.0	17.0	In Prog
7788	2162	Galvan Manufacturing	IN	27045	----	CADRE ECNH1	6		07/01	07/09	07/15	8.0	10.5	Cmpltd
7790	2164	Minneapolis Block 44	MN	27093	----	CADRE ECFW9	11		07/01	07/09		13.0	14.0	In Prog
7791	2165	Triangle Properties	IL	27096	----	CADRE ECSR0	20		07/01	07/09	07/13	22.0	15.0	Cmpltd
7791	2165	Triangle Properties	IL	27096	----	CADRE ECSW0	2		07/01	07/09	07/15	4.0	5.0	Cmpltd
7792	2172	Tar Lake	MI	27089	----	CADRE EAKM0	14		07/09	07/19	07/16	12.0	13.0	Cmpltd
7792	2172	Tar Lake	MI	27089	----	CADRE ESJ52	20		07/09	07/19		16.0	4.5	In Prog
7793	2173	Old Flora School	IN	27221	----	CADRE ECNJ2	8		07/09	07/19		11.0		In Prog
7794	2174	Weston Lion Landfill	IL	27024	Low/Conc.	Manual ECRH2	1		07/12	07/22		3.0		In Prog
7795	2175	Tar Lake	MI	27089	----	CADRE EAKK2	11		07/12	07/19	07/16	9.0	14.0	Cmpltd
7796	2176	Hillsdale Coal Gasification	MI	27092	----	CADRE EAZK7	9		07/12	07/19	07/14	11.5	9.0	Cmpltd
7797	2177	Byron Salvage Yard	IL	27141	Low/Conc.	Manual ECXA5	20		07/12	07/22	07/16	9.0	6.5	Cmpltd
7797	2177	Byron Salvage Yard.	IL	27141	Low/Conc.	Manual ECXC5	20		07/12	07/22	07/16	9.0	6.0	Cmpltd
7798	2178	Tar Lake	MI	27115	----	CADRE ESJ30	13		07/13	07/21		10.0	5.5	In Prog
7798	2178	Tar Lake	MI	27115	----	CADRE EAKP6	13		07/13	07/21		10.0	5.0	In Prog
7798	2178	Tar Lake	MI	27115	----	CADRE EAKP3	20		07/13	07/21	07/16	16.0	12.5	Cmpltd
7798	2178	Tar lake	MI	27115	----	CADRE EAKE8	20		07/13	07/21		16.0	0.5	In Prog
7799	2179	Vally Mound	OH	27041	----	CADRE ECHF4	5		07/13	07/21		7.0		In Prog

Week Ending 07/18/99

Table 5. Summary of Inorganic Data Review. Week Ending 07/18/99.

Work Assignment No. 05-99-3-08

TDF Number	PWO Number	Site Name	ST	Case No.	SAS No.	Data Set #	C T	Num. Smpl	Review Type	Assgnd	TDF Dates Due	Cmpltd	Labor Hours: Est'd	Actual	Comments
8576	2154	Tar Lake	MI	27089		MEKA76		20	CADRE	06/28	07/06	07/12	15.0	10.0	Completed
8578	2156	Tar Lake	MI	27115		MEKT21		20	CADRE	06/30	07/09	07/13	15.0	9.5	Completed
8578	2156	Tar Lake	MI	27115		MEFD94		8	CADRE	06/30	07/09	07/13	8.0	6.0	Completed
8578	2156	Tar Lake	MI	27115		MEKT39		19	CADRE	06/30	07/09	07/12	15.0	11.0	Completed
8581	2159	Swayne Robinson	IN	27044		MEBQZ8		15	CADRE	06/30	07/10	07/15	12.0	14.5	Completed
8582	2160	Galvan Mfg.	IN	27045		MEBRC3		20	CADRE	06/30	07/10		15.0	8.5	In Progress
8582	2160	Galvan Mfg.	IN	27045		MEBRC7		2	CADRE	06/30	07/10		4.0	6.0	In Progress
8583	2166	Swede Hollow	MN	27119		MEBCY6		15	CADRE	07/06	07/13	07/16	12.0	13.0	Completed
8584	2167	Laingsburg	MI	27112		MEBQM4		17	CADRE	07/06	07/13		14.0	11.0	In Progress
8585	2168	Valley Mould	MI	27041		MEBSC1		3	CADRE	07/06	07/13	07/16	3.0	2.0	Completed
8586	2169	Tar Lake	MI	27115		MEKT24		6	CADRE	07/06	07/14	07/13	6.0	4.5	Completed
8586	2169	Tar Lake	MI	27115		MEBF88		20	CADRE	07/06	07/14	07/15	13.0	11.5	Completed
8586	2169	Tar Lake	MI	27115		MEBE33		20	CADRE	07/06	07/14	07/13	13.0	8.0	Completed
8587	2170	Valley Mould	MI	27041		MEBPF4		16	CADRE	07/06	07/14		13.0	1.5	In Progress
8588	2171	Swede Hollow	MN	27119		MEBDA1		15	CADRE	07/07	07/14		12.0	8.5	In Progress
8589	2180	LFPR Property	MI	27140		MEBSN0		20	CADRE	07/13	07/21		15.0		Assigned
8589	2180	LFPR Property	MI	27140		MEBSN1		16	CADRE	07/13	07/21		12.0		Assigned
8592		Triangle Properties	IL	27042		MEBXM6		12	CADRE	07/14	07/23	07/16	11.0	11.0	Completed
8593		Byron Salvage	IL	27141		MEBKK6		20	CADRE	07/14	07/23		15.0		Assigned
8593		Byron Salvage	IL	27141		MEBKM6		10	CADRE	07/14	07/23		10.0		Assigned
8594		Kenny Morrison	IL	27117		MEBWS0		15	CADRE	07/14	07/23		12.0		Assigned
8595		Thomas Sherman	WI	27142		MEBCN5		10	CADRE	07/14	07/23		10.0		Assigned
8596		Triangle Properties	WI	27059		MEBBXG5		6	CADRE	07/14	07/23		6.0		Assigned

Lockheed Martin Proprietary Data

ESAT MONTHLY FINANCIAL REPORT
 SITE SPECIFIC INVOICE - REGION 5
 MONTH ENDING 09/26/1999

CONTRACT # 68060002
 INVOICE # ESTE9901

CONTRACTOR NAME: LOCKHEED MARTIN
 INVOICE PERIOD OF PERFORMANCE: 08/23/99 - 09/19/99

Work Assignment	Region SSID	Action Code	Operable Unit	Site Name/ Non-Site Description	Action Sequence #	IF MS Line Reference	Invoice # Legend	Current/ Adjustment Amount	Cumulative Charge	Direct Labor \$ Month	Direct ODC Month
1 PREVIOUS INVOICE SITE/CORRECTIONS											
SUBTOTAL								0.00			
2 SITES W/ SSID											
05 99 3 07	050W	1A	00	AIRCRAFT COMPONENTS			ESTE9901	(4.08)			0.00
05 99 3 08	050W	1A	00	AIRCRAFT COMPONENTS			ESTE9901	26.10			0.00
05 99 3 07	05F3	1A	00	ALBURN INCORPORATION			ESTE9901	52.55			0.00
05 99 3 08	05F3	1A	00	ALBURN INCORPORATION			ESTE9901	44.85			0.00
05 99 3 07	0596	1A	00	ARCANUM IRON & METAL			ESTE9901	(11.38)			0.00
05 99 3 08	0596	1A	00	ARCANUM IRON & METAL			ESTE9901	680.24			0.00
05 99 3 07	05VWP	1A	00	BELVIDERE AREA STUDY			ESTE9901	(4.13)			0.00
05 99 3 07	05F11	1A	00	BROOKS FOUNDRY			ESTE9901	15.13			0.00
05 99 3 08	05F11	1A	00	BROOKS FOUNDRY			ESTE9901	22.47			0.00
05 99 3 02	0592	1A	00	BYRON SALVAGE			ESTE9901	21.08			0.00
05 99 3 04	0592	1A	00	BYRON SALVAGE			ESTE9901	40.04			0.00
05 99 3 07	0592	1A	00	BYRON SALVAGE			ESTE9901	99.56			0.00
05 99 3 08	0592	1A	00	BYRON SALVAGE			ESTE9901	12.77			0.00
05 99 3 02	058K	1A	00	CAM-OR			ESTE9901	35.98			0.00
05 99 3 07	058K	1A	00	CAM-OR			ESTE9901	(11.80)			0.00
05 99 3 08	058K	1A	00	CAM-OR			ESTE9901	10.01			0.00
05 99 3 07	058R	1A	00	CANNALTON IND.			ESTE9901	19.70			0.00
05 99 3 07	0512	1A	00	CITY OF STAUGHTON LANDFILL			ESTE9901	(1.13)			0.00
05 99 3 07	B522	1A	00	CLARKE INCINERATOR			ESTE9901	29.66			0.00
05 99 3 08	B522	1A	00	CLARKE INCINERATOR			ESTE9901	4.60			0.00
05 99 3 08	A534	1A	00	CONNEAUT DRUM SITE			ESTE9901	26.38			0.00
05 99 3 07	05P2	1A	00	CRAB ORCHARD/SANGAMON DUMP			ESTE9901	7.78			0.00
05 99 3 08	05P2	1A	00	CRAB ORCHARD/SANGAMON DUMP			ESTE9901	15.58			0.00
05 99 3 04	0586	1A	00	CROSS BROTHERS			ESTE9901	144.13			0.00
05 99 3 07	0586	1A	00	CROSS BROTHERS			ESTE9901	(8.60)			0.00
05 99 3 03	058E	1A	00	DEAD CREEK AREA G			ESTE9901	32.61			0.00
05 99 3 04	058E	1A	00	DEAD CREEK AREA G			ESTE9901	79.80			0.00
05 99 3 07	B553	1A	00	DIVCO CONTRACTING			ESTE9901	8.12			0.00
05 99 3 08	B553	1A	00	DIVCO CONTRACTING			ESTE9901	88.86			0.00
05 99 3 04	B584	1A	00	DIXON/JOHNSON WRECKING			ESTE9901	20.46			0.00
05 99 3 07	B584	1A	00	DIXON/JOHNSON WRECKING			ESTE9901	4.54			0.00
05 99 3 07	0530	1A	00	ENVIRO-CHEM CORP			ESTE9901	(11.33)			0.00

RECORDS SECTION
7TH FLOOR

Lockheed Martin Proprietary Data

ESAT Trailing Cost and Overhead Rate Adjustment Report
SITE SPECIFIC INVOICE - REGION 5

CONTRACT #: 68D60002
INVOICE #: ESTE1201

CONTRACTOR NAME: LOCKHEED MARTIN
INVOICE PERIOD OF PERFORMANCE: 02/01/96 - 01/31/97

Work Assignment	Region SSID	Action Code	Operable Unit	Site Name/ Non-Site Description	Action Sequence #	IF MS Line Reference	Invoice # Legend	Current/ Adjustment Amount	Cumulative Charge
05-96-0-07	05TG	LA	00	CRAB ORCHARD PCB			ESTE1201		
05-96-0-08	05TG	LA	00	CRAB ORCHARD/PCBs OU			ESTE1201		
05-96-0-01	0586	LA	00	CROSS BROTHERS			ESTE1201		
05-96-0-02	0586	LA	00	CROSS BROTHERS			ESTE1201		
05-96-0-03	0586	LA	00	CROSS BROTHERS			ESTE1201		
05-96-0-04	0586	LA	00	CROSS BROTHERS			ESTE1201		
05-96-0-05	058E	LA	00	DEAD CREEK AREA G			ESTE1201		
05-96-0-07	052H	LA	00	DOUGLAS ROAD LANDFILL			ESTE1201		
05-96-0-08	052H	LA	00	DOUGLAS ROAD LANDFILL			ESTE1201		
05-96-0-02	05YU	LA	00	ELKHART AREA			ESTE1201		
05-96-0-07	05PG	LA	00	ENTERPRISE OIL			ESTE1201		
05-96-0-08	05PG	LA	00	ENTERPRISE OIL			ESTE1201		
05-96-0-07	05C6	LA	00	FULTZ LANDFILL			ESTE1201		
05-96-0-08	05C6	LA	00	FULTZ LANDFILL			ESTE1201		
05-96-0-01	05WY	LA	00	GALENA/PLATTEVILLE			ESTE1201		
05-96-0-04	05WY	LA	00	GALENA/PLATTEVILLE			ESTE1201		
05-96-0-08	05WY	LA	00	GALENA/PLATTEVILLE			ESTE1201		
05-96-0-07	05WY	LA	00	GALENA/PLATTEVILLE			ESTE1201		
05-96-0-05	05WY	LA	00	GALENA/PLATTEVILLE			ESTE1201		
05-96-0-02	05WY	LA	00	GALENA/PLATTEVILLE			ESTE1201		
05-96-0-02	059Q	LA	00	HI-MILL MANUFACTURING			ESTE1201		
05-96-0-08	054J	LA	00	HIMCO DUMP			ESTE1201		
05-96-0-07	054J	LA	00	Himco Dump			ESTE1201		
05-96-0-08	05JJ	LA	00	INORGANIC DATA REVIEW			ESTE1201		
05-96-0-07	05XZ	LA	00	INTEGRITY DRUM DUMP			ESTE1201		
05-96-0-07	054Q	LA	00	JOHNSON IRON AND METAL			ESTE1201		
05-96-0-03	05QV	LA	00	KERR MCGEE RESIDENTIAL AREA			ESTE1201		
05-96-0-04	05QV	LA	00	KERR MCGEE RESIDENTIAL AREA			ESTE1201		
05-96-0-01	0529	LA	00	LEMON LANE LANDFILL			ESTE1201		
05-96-0-02	0529	LA	00	LEMON LANE LANDFILL			ESTE1201		
05-96-0-07	0529	LA	00	LEMON LANE LANDFILL			ESTE1201		
05-96-0-04	0529	LA	00	LEMON LANE LANDFILL			ESTE1201		
05-96-0-08	0529	LA	00	LEMON LANE LANDFILL			ESTE1201		
05-96-0-03	0529	LA	00	LEMON LANE LANDFILL			ESTE1201		